Manitoba

Annual Report 2000 - 2001

Sustainable Development Innovations Fund

Includes 10% post-consumer waste

MINISTER OF CONSERVATION

Legislative Building
Winnipeg, Manitoba, CANADA
R3C 0V8

The Honourable Peter M. Liba, C.M.
Lieutenant Governor of Manitoba
Government House
Winnipeg, Manitoba

Your Honour:

I am pleased to present you with the Annual Report of the Sustainable Development Innovations Fund for the period of April 1, 2000 to March 31, 2001.

Yours truly,

Oscar Lathlin
Minister

2001
International Year of Volunteers

Manitoba

102-00546/

Conservation Pollution Prevention

123 Main Street, Suite 160
Winnipeg MB R3C 1A5
CANADA

The Honourable Oscar Lathlin
Minister of Conservation
333 Legislative Building
Winnipeg MB R3C 0V8

Dear Sir:

It is my pleasure to present the Annual Report of the Sustainable Development Innovations Fund for the fiscal year 2000 – 2001.

Respectfully submitted,

Laurie Streich
Director

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PREFACE

Organization of Report

The format of the 2000/2001 Annual Report is similar to previous Annual Reports in that funded projects are presented by category and program areas. All funded projects are administered by Manitoba Conservation.

Projects are listed in the following categories and program areas:

Open Priority Program Areas:
- Eco-tourism
- Ecosystem Conservation
- Environmental Technology Innovation and Demonstration
- Northern Environmental Issues
- Regional Waste Management
- Sustainable Agricultural Practices
- Sustainable Community Development
- Understanding Our Environment
- Water

Broad Allocations:
- Environmental Youth Corps
- Manitoba Climate Change Action Fund
- Manitoba Orphan Mine Site Rehabilitation Program
- Waste Reduction and Pollution Prevention Fund

Purpose

The Sustainable Development Innovations Fund was created in October 1989 to provide financial assistance towards development, implementation and promotion of environmental innovation and sustainable development projects. The fund was continued under *The Sustainable Development Act*, proclaimed July 1, 1998.

The purpose of the Fund is to provide grants in support of innovative projects, activities, research and developments that further the sustainability of Manitoba's environment, economy, human health and social well-being, and support sustainable economic growth. The fund encourages creation of partnerships to make a contribution to improving our environment, economy, health and community well being.

Projects qualifying for support must:

- address one or more of the priority areas;
- demonstrate measurable progress towards achieving one or more of the Fund's objectives;
- promote a sustainable approach, have clear environmental benefits, and take into account benefits to the community and the economy;
- be environmentally and ecologically sound;
- adhere to a realistic budget and use appropriate resources to conduct the project;
- have a distinct start and finish, and be implemented in a timely fashion;
- identify the need for SDIF funding;
- have written support from all entities, including financial contributions, in-kind project support and/or technical expertise;
- be conducted in Manitoba or be of benefit to Manitoba; and
- have a clear concrete plan for future use, dissemination, or replication.

ineligible applications and funding requests include:

- applicants who operate in a competitive market that will result in proprietary knowledge accruing and being held exclusively by the grant recipient;
- application for debt financing or cost recovery purposes;
- purchase of playground and recreational equipment;
- real property (land, buildings) and/or vehicles;
- tools or models lacking clear concrete plans for future use, dissemination, or replication; and
- removal of petroleum distribution systems, investigations, and remediation required by government order, unless a specific targeted program has been established to address specific environmental issues.

Source of Revenue

Revenue for the fund is derived from an environmental protection tax on glass liquor bottles and disposable diapers.

Process

The Pollution Prevention Branch of Manitoba Conservation with the cooperation of provincial government departments administers the Sustainable Development Innovations Fund. Proposals are submitted to the Branch and assessed by government departments prior to submission to the SDIF Advisory Review Committee for review and recommendation to the Minister of Conservation. Projects over $25,000 are forwarded to Treasury Board for approval.

All successful applicants are required to sign a funding agreement that will ensure their understanding of what the grant monies may be used for and for reporting requirements. Agreements must be signed prior to grant funding being issued.

Communication

The Sustainable Development Innovations Fund is promoted through the following activities:

- Manitoba Round Table activities (speaking engagements, etc.)
- Manitoba Conservation's Sustainable Development Web site – http://www.susdev.gov.mb.ca
- Community events, trade shows, exhibitions
- Ministerial announcement of funded projects
- News releases
- Acknowledgement in publications, printed material, and signage of funded projects
- Listing in Funding Directories
- Provincial government offices and staff
- Word of mouth

Seventy-six new projects were approved for funding in 2000/01, expending a total of $1,959,935.45. Seventeen projects were carried over from previous fiscal years, expending a total of $113,968.85 in 2000/2001. A total amount of $2,073,320.30 was expended against a total of $3,400,000.00. Presented below is a summary of project expenditures falling under the two categories.

Eco-tourism:

A total of $70,000.00 was expended in 2000/2001 for four projects described in the eco-tourism category. The projects approved under this category are initiatives that address ecosystem preservation, public education and economic opportunities through tourism with a priority on rural and northern communities.

Ecosystem Conservation:

A total amount of $197,819.48 was expended in 2000/2001 for nineteen projects in the ecosystem category. The objectives of this category are to conserve resources, preserve and maintain urban forests and ecosystems and rehabilitate and revitalize degraded areas.

Environmental Technology Innovation and Demonstration:

A total of $149,600.00 was expended in 2000/2001 for eight projects in the environmental technology innovation and demonstration category. Projects that fall within this category include, but are not limited to, feasibility studies, research and development of new products and processes, environmental technology demonstrations, and special projects, such as strategic studies relating to industrial sectors.

Northern Environmental Issues:

No projects were funded during the 2000/2001 fiscal year in the northern environmental issues category. Projects in this category should reflect the enhancement of the environment and sustainable economic development activities of northern and remote communities, with a priority on Aboriginal communities.

Regional Waste Management:

A total amount of $71,500.00 was expended during the 2000/2001 fiscal year for three projects in the regional waste management category. The objectives of this category are to develop and enhance waste transfer stations with the goal of minimizing environmental risk from landfill waste.

Sustainable Agricultural Practices:

A total of $120,916.56 was expended during the 2000/2001 fiscal year for eight projects in the sustainable agricultural practices category. Projects that fall within this category include, but are not limited to: research, demonstration projects, and feasibility studies on agricultural practices that protect the environment and that will assist in diversifying Manitoba's agricultural sector.

Sustainable Community Development:

A total amount of $22,295.00 was expended during the 2000/2001 fiscal year for two projects in the sustainable community development category. Sustainable community practices include eco-efficiency initiatives, environmental stewardship, capacity building mechanisms, inner city revitalization, and encouragement of partnerships with Aboriginal peoples and youth in sustainable development practices.

Understanding Our Environment:

A total of $333,604.69 was expended during the 2000/2001 fiscal year for twenty projects in the understanding our environment category. Projects that fit into this category help Manitobans make educated decisions and take action regarding the environment, such as education and awareness activities, training, research, seminars and forums.

Water:

A total of $152,642.00 was expended during the 2000/2001 fiscal year for eight projects in the water category. Projects in this category include initiatives that address aquatic nuisance species, livestock stewardship, water quality protection, wise and efficient use of water resources, and scientific and technological innovation in the development, testing, and implementation of technologies that reduce water waste and conserve water.

Broad Allocations:

Broad Allocations totaled $1,250,000.00 for the 2000/2001 fiscal year. An amount of $840,973.72 was expended for the Environmental Youth Corps, Manitoba Climate Change Action Fund, Manitoba Orphan Mine Site Rehabilitation Program and the Waste Reduction and Pollution Prevention (WRAPP) Fund.

Table 1: Summary of Projects by Category

Project Categories	Number of Projects Allocated Funding in 2000/2001	Amount Expended
Eco-tourism	4	$ 70,000.00
Ecosystem Conservation	19	$ 197,819.48
Environmental Technology Innovation and Demonstration	8	$ 149,600.00
Northern Environmental Issues	0	$ 0.00
Regional Waste Management	3	$ 71,500.00
Sustainable Agricultural Practices	8	$ 120,916.56
Sustainable Community Development	2	$ 22,295.00
Understanding Our Environment	20	$ 333,604.69
Water	8	$ 152,642.00
Broad Allocations: - Environmental Youth Corps (EYC) - Manitoba Climate Change Action Fund (MCCAF) - Manitoba Orphan Mine Site Rehabilitation Program - Waste Reduction and Pollution Prevention Fund (WRAPP)	4	$ 840,973.72
Total for New Projects	**76**	**$1,959,935.45**
Projects Carried Over into 2000/01	17	$ 113,968.85

ECO-TOURISM

PROJECTS ALLOCATED FUNDING

DURING THE 2000/2001 FISCAL YEAR

Number of Projects: 4

Total Amount Expended: $70,000.00

Project Name	Total Expended
Eco-Tourism Development in the Westlake Area	$ 25,000.00
Enhancement of Killarney's Wildlife Resource Area with Trail Interpretive Signs	$ 5,000.00
Inventory of Eco-tourism Resources, Eco-tourism Guidebook and Website and Eco-tourism Strategy for West-Central Manitoba	$ 20,000.00
Wakpatanka Interpretive Centre	$ 20,000.00

ECO-TOURISM

DETAILED LIST OF PROJECTS ALLOCATED

FUNDING DURING THE 2000/2001 FISCAL YEAR

ECO-TOURISM DEVELOPMENT IN THE WESTLAKE AREA

Proponents Are: Alonsa Conservation District
Date Approved: February 21, 2001
Total Amount Approved: $ 25,000.00
Total Amount Expended: $ 25,000.00

Summary:

A grant of $25,000.00 was approved February 21, 2001, to hire of a coordinator who will be responsible for the development of an eco-tourism industry involving the First Nation communities in the area. The coordinator will be required to consult with First Nation communities, communicate with educational authorities and tour operators and coordinate tours with Native elders. The project is to be completed in eight months at the end of which, the proponent expects delivery of the program to be carried out by the elders in the First Nation communities. The goal of this project is to develop a province-wide initiative demonstrating the role of Aboriginal peoples in the overall environmental landscape.

ENHANCEMENT OF KILLARNEY'S WILDLIFE RESOURCE AREA WITH TRAIL INTERPRETIVE SIGNS

Proponents Are: Turtle Mountain Conservation District
Date Approved: August 23, 2000
Total Amount Approved: $ 5,000.00
Total Amount Expended: $ 5,000.00

Summary:

A grant of $5,000.00 was approved August 23, 2000, to erect five interpretive signs on the walking trail in Killarney's Wildlife Resource Area. When the Town of Killarney outgrew its sewage lagoon, the Town Council, together with the Conservation District, Ducks Unlimited and Intergovernmental Affairs, filled the decommissioned lagoon cells creating a wildlife resource area and nature trail at the edge of town, with no impairment to the environment. The addition of interpretive signs, at varying locations around the trail, enhances the experience of visiting this site.

INVENTORY OF ECO-TOURISM RESOURCES, ECO-TOURISM GUIDEBOOK AND WEBSITE AND ECO-TOURISM STRATEGY FOR WEST-CENTRAL MANITOBA

Proponents Are: Mixedwood Forest Research & Advisory Committee (MFRAC)
Date Approved: October 25, 2000
Total Amount Approved: $ 20,000.00
Total Amount Expended: $ 20,000.00

Summary:

A grant of $20,000 was approved October 25, 2000, to assist the proponent with collecting information on resources in the West-Central area of Manitoba, highlighting the potential of the area, publishing a guidebook for the area, building a website documenting the resources and producing a strategic planning document.

WAKPATANKA INTERPRETIVE CENTRE

Proponents Are: Wakpatanka Project Committee (WPC)
Date Approved: August 23, 2000
Total Amount Approved: $ 20,000.00
Total Amount Expended: $ 20,000.00

Summary:

A grant of $20,000.00 was approved on August 23, 2000, to conduct a feasibility study to determine the viability of an interpretive centre based on artifact and scientific information. The feasibility study includes a market assessment, architectural concept drawings, site analysis, funding information and financial projections for an Interpretive Centre. The proposed centre is needed to collect, interpret, preserve and display artifacts that were discovered along the Assiniboine River that date back to the early part of the last millennium to the "Avonlea" phase occupations of First Nations people. Only this one group of Aboriginal people used this particular site and it is the only "single component" site in Canada.

ECOSYSTEM CONSERVATION

PROJECTS ALLOCATED FUNDING

DURING THE 2000/2001 FISCAL YEAR

Number of Projects: 19

Total Amount Expended: $197,819.48

Project Name	Total Expended
Alluvial Fan Stabilization	$ 25,000.00
Cleaning and Greening of Former Dump Site	$ 19,810.00
Eco-Tourism Development of the Prime Meridian Trail	$ 15,200.00
George Olive Nature Park	$ 5,000.00
Greening of St. Émile	$ 5,000.00
Headingley River Park Project	$ 20,500.00
Improved Protection and Conservation of the Endangered Western Prairie Fringed Orchid	$ 3,320.00
Manitoba Zebra Mussel Activities - Inspection Project	$ 11,694.48
Millennium Gardens – River East	$ 16,350.00
Murdoch MacKay Collegiate Grounds Enhancement	$ 5,000.00
Operation Cleanup 2001	$ 1,500.00
St. George Playground Rejuvenation and Grounds Naturalization Project	$ 5,000.00
Survey of Rare Plant Species in Eastern Manitoba	$ 10,000.00
The ArtsPark	$ 8,850.00
The Green Project	$ 19,750.00

Project Name	Total Expended
The Montrose Common	$ 5,000.00
Tree Planting Project	$ 845.00
West St. Paul Outdoor Enhancement Project	$ 5,000.00
Yellow Quill Mixed Grass Prairie Project	$ 15,000.00

ECOSYSTEM CONSERVATION

DETAILED LISTING OF PROJECT ALLOCATED

FUNDING DURING THE 2000/2001 FISCAL YEAR

ALLUVIAL FAN STABILIZATION

Proponents Are: Turtle River Watershed Conservation District
Date Approved: February 21, 2001
Total Amount Approved: $ 25,000.00
Total Amount Expended: $ 25,000.00

Summary:

A grant of $25,000 was approved February 21, 2001, to undertake various rehabilitation projects in the watershed area. These projects include alleviating bank erosion through construction of rock weirs and riparian enhancement using bioengineering techniques within the numerous critically eroded escarpmental creeks. These measures reduce downstream sedimentation and siltation that affects fish and other aquatic life; regulate water flows; prevent bank, stream and bed erosion; improve water quality; improve ground water recharge; and improve ecosystem rehabilitation and agricultural economies.

CLEANING AND GREENING OF FORMER DUMP SITE

Proponents Are: Village of Treherne
Date Approved: February 21, 2001
Total Amount Approved: $ 19,810.00
Total Amount Expended: $ 19,810.00

Summary:

A grant of $19,810.00 was approved February 21, 2001, to rehabilitate a former dump site that is hazardous and unsightly. The project includes removal of visible objects above or protruding from the ground, leveling of the surface of the site, covering the top with shale and topsoil and planting trees. The area will be returned as much as possible to its natural state, requiring little maintenance or upkeep.

ECO-TOURISM DEVELOPMENT OF THE PRIME MERIDIAN TRAIL

Proponents Are: Prime Meridian Trail Association
Date Approved: February 21, 2001
Total Amount Approved: $ 15,200.00
Total Amount Expended: $ 15,200.00

Summary:

A grant of $15,200.00 was approved February 21, 2001, to enhance the Prime Meridian Trail ecologically and make it more appealing for tourists. The project includes improving the tall grass prairie habitat through controlled burns; helping protect wetlands, aspen park land and boreal forest; installing levelers and deceivers so the beavers will not be destroyed; building and installing bird and bat houses along the trail; building composting toilets at mini trailheads inside the towns; advertising the trail; developing programs and tours to attract tourists; and developing relationships with other organizations.

GEORGE OLIVE NATURE PARK

Proponents Are: Transcona Horticultural Society
Date Approved: June 9, 2000
Total Amount Approved: $ 5,000.00
Total Amount Expended: $ 5,000.00

Summary:

A grant of $5,000.00 was approved June 9, 2000, to support an environmental project in George Olive Nature Park. The project includes restoration and maintenance of the marsh and tall grass prairie habitats, construction of an interpretative walk and picnic area, installation of signage and benches along the pathway and promotion of the park for use by school groups for outdoor education and the local community for recreational purposes. The proponent is working in conjunction with the City Naturalist, and local school groups are included in all aspects of the project, including facilitation of an environmental education program within the park.

GREENING OF ST. EMILE

Proponents Are: St. Emile Greening Committee
Date Approved: October 25, 2000
Total Amount Approved: $ 5,000.00
Total Amount Expended: $ 5,000.00

Summary:

A grant of $5,000.00 was approved October 25, 2000, to "green" the area surrounding St. Emile School. The project includes transforming the entrance and weed patch into an outdoor classroom by creating a bat, bird and butterfly walk; adding islands of greenspace in the treeless asphalt parking lot; greening around the new play structure; and transforming an unused area of school ground into a fruit/vegetable garden and orchard. The students will assist by planting trees, shrubs and plants and along with the school custodian and the committee will maintain the grounds once the project is completed.

HEADINGLEY RIVER PARK PROJECT

Proponents Are: Rural Municipality of Headingley
Date Approved: October 25, 2000
Total Amount Approved: $ 20,500.00
Total Amount Expended: $ 20,500.00

Summary:

A grant of $20,500.00 was approved October 25, 2000, to support the creation of a park, green space, walking trails and self-interpretive points along the Assiniboine River in the Rural Municipality of Headingley. The project includes the development of a shelter in a design that will replicate the distinguishing feature of the "Chateau Dixie", a popular dance hall that once occupied the property. The land on which this project is to be constructed is the residual land from the construction of a Manitoba Highways' bridge.

IMPROVED PROTECTION AND CONSERVATION OF THE ENDANGERED WESTERN PRAIRIE FRINGED ORCHID

Proponents Are: Manitoba Orchid Society
Date Approved: August 23, 2000
Total Amount Approved: $ 3,320.00
Total Amount Expended: $ 3,320.00

Summary:

A grant of $3,320.00 was approved August 23, 2000, to support a project to identify the pollination mechanism of the Western Prairie Fringed Orchid and to facilitate improved pollination and seed set in this orchid to ensure the survival of the population in the Tall Grass Prairie Preserve in Vita, Manitoba. The University of Winnipeg and one of the university's professors are contributing some equipment and professional services for this project.

MANITOBA ZEBRA MUSSEL ACTIVITIES - INSPECTION PROJECT

Proponents Are: Manitoba Conservation
Date Approved: May 30, 2000
Total Amount Approved: $ 25,000.00
Total Amount Expended: $ 11,694.48

Summary:

A grant of $25,000.00 was approved May 30, 2000, to support a zebra mussel initiative. This initiative will target border crossings between Manitoba and both the United States and Ontario in order to detect zebra mussels potentially transported into Manitoba via trailered recreational watercraft. Manitoba Conservation staff will be responsible for inspecting trailers and watercraft entering Manitoba for the presence of zebra mussels, and for the distribution of information and the surveying of boaters regarding zebra mussels. Any watercraft found to be transporting zebra mussels will be reported to Canada Customs or Conservation officials who have the authority to enforce provincial Fisheries Regulations.

MILLENNIUM GARDENS – RIVER EAST

Proponents Are: Millennium Gardens – River East Committee
Date Approved: February 21, 2001
Total Amount Approved: $ 16,350.00
Total Amount Expended: $ 16,350.00

Summary:

A grant of $16,350.00 was approved February 21, 2001, to develop a community operated and maintained garden and recreational area to enhance the lives of the seniors, youth and others in the River East area. The project will be constructed on land donated by the City of Winnipeg and will include a butterfly/bird garden, a group of raised beds to be gardened by seniors in the area, an enhanced pathway system allowing wheelchair access, a meeting place with shaded benches, a covered Information Centre to be used for publicizing items of community interest and bird houses built by local seniors.

MURDOCH MACKAY COLLEGIATE GROUNDS ENHANCEMENT PROJECT

Proponents Are: Murdoch MacKay Collegiate Institute
Date Approved: August 23, 2000
Total Amount Approved: $ 5,000.00
Total Amount Expended: $ 5,000.00

Summary:

A grant of $5,000.00 was approved August 23, 2000, to improve the physical appearance of the school and its grounds. The school has been designated as an "At Risk School". This objectives of this project are: to improve the community's attitude towards the school and its students; show the students that the school is working towards enhancing their environment and thus demonstrate that they too can make positive changes; involve the students in planning, planting, building and maintaining process, thus allowing the students to take ownership of the site; provide students with the opportunity to interact with a variety of natural environments; and encourage students to be environmentally conscious.

OPERATION CLEANUP 2001

Proponents Are: Rural Municipality of St. Clements
Date Approved: February 21, 2001
Total Amount Approved: $ 1,500.00
Total Amount Expended: $ 1,500.00

Summary:

A grant of $1,500.00 was approved February 21, 2001, to purchase garbage containers to place along the riverbank within the Red River watershed in areas frequented by anglers and tourists. These garbage containers are part of a cleanup and maintenance program established in 1999 because there were many complaints registered regarding the unsightly appearance of garbage along the Red River. Since its establishment, this program has seen much success and increased interest, along with financial support, in keeping the riverbanks clean.

ST. GEORGE PLAYGROUND REJUVENATION AND GROUNDS NATURALIZATION PROJECT

Proponents Are: St. George Parent and Community Association
Date Approved: August 23, 2000
Total Amount Approved: $ 5,000.00
Total Amount Expended: $ 5,000.00

Summary:

A grant of $5,000.00 was approved August 23, 2000, to support a project to plant native trees, plants and grasses on the school grounds and provide a complete ecosystem including compost, bird houses and butterfly houses. The community has identified, through surveys, the prime community need as being the addition of green space.

SURVEY OF RARE PLANT SPECIES IN EASTERN MANITOBA

Proponents Are: Native Orchid Conservation Inc.
Date Approved: February 21, 2001
Total Amount Approved: $ 10,000.00
Total Amount Expended: $ 10.000.00

Summary:

A grant of $10,000.00 was approved February 21, 2001, to locate and document the occurrence of rare plant species, particularly orchids, within a 500 square mile radius in Southeastern Manitoba. This will enable a number of resource related activities such as forestry and peat moss harvesting to carry out better planning prior to any approvals by the Provincial government. First Nation peoples will be consulted about this survey and included on a regular basis particularly concerning plants used for medicinal and ceremonial purposes.

THE ARTSPARK

Proponents Are: Arts Celebration Committee, Boissevain
Date Approved: August 23, 2000
Total Amount Approved: $ 8,850.00
Total Amount Expended: $ 8,850.00

Summary:

A grant of $8,850.00 was approved August 23, 2000, to assist with the redevelopment of an empty industrial lot in downtown Boissevain. The proposed park will complement the community's Outdoor Art Gallery, provide a focus point for bus tours, incorporate xeriscaping that will conserve resources and showcase hardy trees, shrubs and perennials that could set examples for home gardening. The landscape design includes a gazebo, art "trees" for local children's art pieces and pathways that lead visitors around the various trees, shrubs and perennial beds. The project will promote tourism and a sense of community pride.

THE GREEN PROJECT

Proponents Are: The Green Project Committee, Flin Flon
Date Approved: February 21, 2001
Total Amount Approved: $ 19,750.00
Total Amount Expended: $ 19,750.00

Summary:

A grant of $19,750.00 was approved February 21, 2001, to revegetate industrially degraded and barren areas in and around Flin Flon. Students and community volunteers spread finely crushed limestone on these areas to counteract soil acidity and allow a natural generation of vegetation cover. This rehabilitation method has worked successfully in Sudbury, Ontario but has never been tried before in Manitoba.

THE MONTROSE COMMON

Proponents Are: The Montrose Common Committee
Date Approved: August 23, 2000
Total Amount Approved: $ 5,000.00
Total Amount Expended: $ 5,000.00

Summary:

A grant of $5,000.00 was approved August 23, 2000, to support a project to establish a sustainable urban habitat for native plant and animal species on the new Montrose School grounds and provide hands-on opportunities for learning about the environment. The addition of a small outdoor amphitheatre and raised planting bed for the children lends credence to the outdoor classroom theme of this project. The proponent uses a consultative planning and implementation process with regards to this project and plans to maintain the grounds by establishing a trust fund.

TREE PLANTING PROJECT

Proponents Are: Happy Thought School
Date Approved: February 21, 2001
Total Amount Approved: $ 845.00
Total Amount Expended: $ 845.00

Summary:

A grant of $845.00 was approved February 21, 2001, to cover the costs associated with planting and caring for evergreen trees in the school grounds. Since 1993, students and staff of the school have purchased, planted, transplanted and cared for over 300 evergreens on the grounds.

WEST ST. PAUL OUTDOOR ENHANCEMENT PROJECT

Proponents Are: West St. Paul Parent Advisory Council
Date Approved: October 25, 2000
Total Amount Approved: $ 5,000.00
Total Amount Expended: $ 5,000.00

Summary:

A grant of $5,000.00 was approved October 25, 2000, to support an outdoor enhancement project on the West St. Paul School grounds. The project will be completed in five phases: the friendship garden, the participation trail, playground improvements, forest and wetland park development and community gathering shelter. Parent and community volunteers will provide the majority of the labour required and the School Division will maintain the grounds once the project is completed.

YELLOW QUILL MIXED GRASS PRAIRIE PROJECT

Proponents Are: The Nature Conservancy of Canada
Date Approved: February 21, 2001
Total Amount Approved: $ 15,000.00
Total Amount Expended: $ 15,000.00

Summary:

A grant of $15,000.00 was approved February 21, 2001, to support a project to conserve an area of native mixed grass prairie that the proponent purchased in the Rural Municipality of South Cypress. The objectives of this project are to: demonstrate and encourage sustainable land management practices; develop land management plans that promote good or excellent range and native prairie conditions; reduce the density and spread of leafy spurge and aspen; explore and encourage other income options from native prairie such as native seed collection; implement plans for grazing, prescribed burns and weed management; and develop the site for its cultural and historical significance as part of the Yellow Quill Trail.

ENVIRONMENTAL TECHNOLOGY INNOVATION AND DEMONSTRATION

PROJECTS ALLOCATED FUNDING

DURING THE 2000/2001 FISCAL YEAR

Number of Projects: 8

Total Amount Expended: $149,600.00

Project Name	Total Expended
Archaeological Predictive Model to Identify and Protect Cultural and Heritage Resources	$ 25,000.00
Beaver Management Demonstration	$ 4,600.00
Facility for Sustainable Waste Management: Use of Waste Centrate to Enhance Nitrogen Removal	$ 25,000.00
Green Roofs, Phase 2 – Innovation and Design	$ 6,500.00
Integrated Community-Based Mosquito Control	$ 18,500.00
Integrated Research and Development Plan: Value-Added, Community-Based Phytoremediation of Contaminated Water	$ 25,000.00
Manitoba Hog Barn Biofiltration Study, Phase II	$ 25,000.00
Treatment of Landfill Leachate in NEWPCC Anaerobic Sludge Digesters	$ 20,000.00

ENVIRONMENTAL TECHNOLOGY INNOVATION AND DEMONSTRATION

DETAILED LISTING OF PROJECTS ALLOCATED

FUNDING DURING THE 2000/2001 FISCAL YEAR

ARCHAEOLOGICAL PREDICTIVE MODEL TO IDENTIFY AND PROTECT CULTURAL AND HERITAGE RESOURCES

Proponents Are: Manitoba Model Forest Inc.
Date Approved: February 21, 2001
Total Amount Approved: $ 25,000.00
Total Amount Expended: $ 25,000.00

Summary:

A grant of $25,000.00 was approved February 21, 2001, to support a pilot project to develop a portable computer based model that can be used to assess large tracts of land for heritage potential. Due to the size and remoteness of the boreal forest, it is impossible for developers to inspect every site prior to development activities to ensure protection of resources. This project will take place at Shallow Lake in Eastern Manitoba, (a Hollow Water First Nation traditional land use area), and Lake Athapapuskow near Flin Flon. If successful, this model will facilitate the identification and management of heritage resources in forested areas.

BEAVER MANAGEMENT DEMONSTRATION

Proponents Are: Little Saskatchewan River Conservation District
Date Approved: October 25, 2000
Total Amount Approved: $ 4,600.00
Total Amount Expended: $ 4,600.00

Summary:

A grant of $4,600.00 was approved October 25, 2000, to support a demonstration project to construct several beaver dam levelers that will be installed in problem areas in the district. Each of the six rural municipalities in the area will select two areas in need of a beaver leveler and the district will supply them at no cost to the landowner. The district will also be assembling several beaver deceivers to be installed around the area. Landowners in the district are losing valuable farmland due to the increase in the beaver population and number of beaver dams. By implementing a series of beaver dam levelers and beaver deceivers, the district can create a habitat where the farmers can co-exist with wildlife.

FACILITY FOR SUSTAINABLE WASTE MANAGEMENT: USE OF WASTE CENTRATE TO ENHANCE NITROGEN REMOVAL

Proponents Are: University of Manitoba, Department of Civil and Geological Engineering
Date Approved: August 23, 2000
Total Amount Approved: $ 25,000.00
Total Amount Expended: $ 25,000.00

Summary:

A grant of $25,000.00 was approved August 23, 2000, to support a research project to develop a facility for sustainable waste management through model development and calibration and demonstrate its usefulness, on a real-life example, of further decreasing the cost of nitrogen removal for the City of Winnipeg. Computer and wet models will be developed and utilized to optimize performance of new processes for treatment of wastewater and manure. The main thrust of the proposal is to conduct advanced research aimed at saving the Winnipeg taxpayer substantial expenses and demonstrating the sustainable use of waste sludge liquor streams, at the treatment plant, to lower the running and capital costs.

GREEN ROOFS, PHASE 2 – INNOVATION AND DESIGN

Proponents Are: Centre for Indigenous Environmental Resources (CIER)
Date Approved: February 21, 2001
Total Amount Approved: $ 6,500.00
Total Amount Expended: $ 6,500.00

Summary:

A grant of $6,500.00 was approved February 21, 2001, to support a feasibility study into the values of the differences between establishing functioning rooftop ecosystems and ones on vacant land or parking lots, in an urban environment. The proponent's vision is the implementation of a demonstration site for roof top technology that is compatible with the harsh and highly variable climatic and weather conditions of the prairie eco-zone. The green roof structure would include an intensive ecosystem with deep soil and an irrigation system.

INTEGRATED COMMUNITY-BASED MOSQUITO CONTROL

Proponents Are: University of Manitoba, Natural Resources Institute
Date Approved: October 25, 2000
Total Amount Approved: $ 18,500.00
Total Amount Expended: $ 18,500.00

Summary:

A grant of $18,5000.00 was approved October 25, 2000, to support the first year of a two-year research project. This project will assist communities throughout Manitoba by determining the effectiveness of an integrated, community-based approach to controlling mosquitoes that does not rely on chemical pesticides that pose a threat to human health. The project includes: collection of information and implementation of an extensive education program to inform residents about the steps they can take to eliminate mosquito breeding sites; identification and introduction of appropriate natural predators; research and possible implementation of other non-toxic techniques; and measurement of the effectiveness of these initiatives in reducing mosquito populations. The study area is within the City of Winnipeg.

INTEGRATED RESEARCH AND DEVELOPMENT PLAN: VALUE-ADDED, COMMUNITY-BASED PHYTOREMEDIATION OF CONTAMINATED WATER

Proponents Are: Tetr*ES* Consultants Inc.
Date Approved: February 21, 2001
Total Amount Approved: $ 25,000.00
Total Amount Expended: $ 25,000.00

Summary:

A grant of $25,000.00 was approved February 21, 2001, to demonstrate the potential use of hybrid-poplar trees, and possibly other agronomic or phytomedicinal plants, to remediate nitrate contaminated groundwater at a site in Brandon and remediate surface water discharge from a sewage treatment system in Roblin. The project proposes to demonstrate that by using these selected plant species, other additional benefits will be provided for, including economic by-products, agronomic diversity and possibly, health benefits from phytomedicinal plant products. High school students from Crocus Plains Regional Secondary School and Goose Lake High School are involved with these two demonstration projects.

MANITOBA HOG BARN BIOFILTRATION STUDY, PHASE II

Proponents Are: Chemamawin Cree Nation
Date Approved: February 21, 2001
Total Amount Approved: $ 25,000.00
Total Amount Expended: $ 25,000.00

Summary:

A grant of $25,000.00 was approved February 21, 2001, to support the second phase of a project to study the viability of using biofiltration technology in Manitoba hog barns. Phase two of this project is the research stage that will be performed by the Department of Biosystems Engineering at the University of Manitoba, who will build and monitor a full-scale, low-cost uncovered biofilter over several seasons at a hog barn in Manitoba. Wood chips will be used for the biofilter in this project. If this project is successful in demonstrating that odours can be significantly reduced from hog barns, this technology has the potential, if cost-effective, to address a very important and undesirable consequence of intensive hog operations.

TREATMENT OF LANDFILL LEACHATE IN NEWPCC ANAEROBIC SLUDGE DIGESTERS

Proponents Are: University of Manitoba, Department of Civil and Geological Engineering, Dr. Jan A. Oleszkiewicz
Date Approved: February 21, 2001
Total Amount Approved: $ 20,000.00
Total Amount Expended: $ 20,000.00

Summary:

A grant of $20,000.00 was approved February 21, 2001, to conduct research into the feasibility of treating concentrate leachate loads from Winnipeg landfills directly in the anaerobic sludge digesters at the North End Winnipeg Pollution Control Centre (NEWPCC). Laboratory experiments, at the University of Manitoba, will be conducted in two parallel units, with one serving as a reference. The proposed work will show the potential for bypassing the main sewage treatment stream and treating the leachate in an anaerobic digester. A change in the treatment process, such as that proposed, could substantially increase the quality of the effluent while decreasing the toxic effects of the leachate to the treatment process.

REGIONAL WASTE MANAGEMENT

PROJECTS ALLOCATED FUNDING

DURING THE 2000/2001 FISCAL YEAR

Number of Projects: 3

Total Amount Expended: $71,500.00

Project Name	Total Expended
Rural Municipality of Franklin Waste Management Project	$ 25,000.00
Transfer Station #313 and Seddons Corner Transfer Station	$ 25,000.00
Winfield Road Transfer Station	$ 21,500.00

REGIONAL WASTE MANAGEMENT

DETAILED LISTING OF PROJECTS ALLOCATED

FUNDING DURING THE 2000/2001 FISCAL YEAR

RURAL MUNICIPALITY OF FRANKLIN WASTE MANAGEMENT PROJECT

Proponents Are: Rural Municipality of Franklin
Date Approved: February 21, 2001
Total Amount Approved: $ 25,000.00
Total Amount Expended: $ 25,000.00

Summary:

A grant in the amount of $25,000.00 was approved February 21, 2001, to support the development and enhancement of a waste transfer station. The waste transfer station site consists of large containers supplied by BFI and recycling depots that are collected regularly by Red River Workshop of St. Malo. The municipality is also applying for a permit to collect used oil at the site in large above ground containers. This transfer station was established to facilitate solid waste collection and transportation thus allowing the municipality to close existing landfills and minimizing the risk from landfill waste.

TRANSFER STATION #313 AND SEDDONS CORNER TRANSFER STATION

Proponents Are: Rural Municipality of Lac du Bonnet
Date Approved: February 21, 2001
Total Amount Approved: $ 25,000.00
Total Amount Expended: $ 25,000.00

Summary:

A grant of $25,000.00 was approved February 21, 2001, to support construction of two transfer stations, one major station at PR #313 and a smaller one at Seddons Corner.

WINFIELD ROAD TRANSFER STATION

Proponents Are: Rural Municipality of Rockwood
Date Approved: February 21, 2001
Total Amount Approved: $ 21,500.00
Total Amount Expended: $ 21,500.00

Summary:

A grant in the amount of $21,500.00 was approved February 21, 2001, to support development of a regional transfer station to divert recyclable and compostable materials from the landfill site. This transfer station will be for the use of residents of the Rural Municipality of Rockwood and to a limited degree, the residents of the Town of Stonewall. The proponent's goal is to reduce the landfilling and burning of waste by 50% over a five-year period.

SUSTAINABLE AGRICULTURAL PRACTICES

PROJECTS ALLOCATED FUNDING

DURING THE 2000/2001 FISCAL YEAR

Number of Projects: 8

Total Amount Expended: $120,916.56

Project Name	Total Expended
Earthshare "Shared Farming" Program	$ 14,850.00
Economic Incentives to Initiate Projects that Enhance Native Prairie	$ 21,400.00
Livestock Stewardship Panel Costs	$ 13,712.67
Management Alternatives for Oat Residue	$ 25,000.00
Manitoba Farm Women's Conference	$ 4,000.00
Soil Sustainability Study, Livestock Stewardship Initiative	$ 12,053.89
Sustaining Rural Communities with Sustainable Agriculture: Development of an Organic Farming Mentorship Program	$ 23,500.00
Value-Added Guide/Workbook and Training Proposal	$ 6,400.00

SUSTAINABLE AGRICULTURAL PRACTICES

DETAILED LISTING OF PROJECTS ALLOCATED

FUNDING DURING THE 2000/2001 FISCAL YEAR

EARTHSHARE "SHARED FARMING" PROGRAM

Proponents Are: Earthshare Agricultural Cooperative of Central Americans Inc.
Date Approved: December 20, 2000
Total Amount Approved: $ 14,850.00
Total Amount Expended: $ 14,850.00

Summary:

A grant of $14,850.00 was approved October 25, 2000, for bridge funding support towards the proponent's Organic "Shared Farming" Program. The objectives of this project are to have newcomers successfully integrated into rural Manitoba; develop a cooperative, ecologically sound farming operation jointly managed by refugees, rural residents and urban supporters; have a stable training site for future refugees and immigrants to Canada who wish to settle outside the urban area; and form partnerships with other organizations to promote sustainable farming, city-rural understanding and to achieve the goal of assisting the settlement and employment of Central American refugees in rural Manitoba, in cooperation with farmers, rural residents, urban shareholders and urban food banks.

ECONOMIC INCENTIVES TO INITIATE PROJECTS THAT ENHANCE NATIVE PRAIRIE

Proponents Are: Manitoba Cattle Producers Association and Mixed-Grass Prairie Stewardship Program
Date Approved: October 25, 2000
Total Amount Approved: $ 21,400.00
Total Amount Expended: $ 21,400.00

Summary:

A grant of $21,400.00 was approved October 25, 2000, to support the first year of a two-year project to provide private landowners with economic incentives to enhance their native prairie. The stewards in the Mixed-Grass Prairie Stewardship Program are invited to propose projects and a maximum of twelve projects are selected for support. The focus is on demonstration and education. Selection for support is be based on the type of project, maximum cost benefit and the project's potential for educating others. The project operates in the area commonly identified as the Carberry Sandhills region.

LIVESTOCK STEWARDSHIP PANEL COSTS

Proponents Are: Manitoba Agriculture and Food
Date Approved: October 25, 2000
Total Amount Approved: $ 18,000.00
Total Amount Expended: $ 13,712.67

Summary:

A grant in the amount of $18,000.00 was approved October 25, 2000, to print and distribute the discussion paper and final report of the Livestock Stewardship 2000 panel consultations. Public consultations on the growth of Manitoba's livestock sector were announced on June 6, 2000. The consultations were a necessary and important component of the Livestock Stewardship 2000 initiative.

MANAGEMENT ALTERNATIVES FOR OAT RESIDUE

Proponents Are: University of Manitoba, Department of Soils Science
Date Approved: February 21, 2001
Total Amount Approved: $ 25,000.00
Total Amount Expended: $ 25,000.00

Summary:

A grant in the amount of $25,000.00 was approved February 21, 2001, to conduct a three-year research project to assess the potential of manure and tillage practices to manage oat crop residues, rather than through burning. Oat residue does not break down quickly or easily and as a consequence, many farmers manage oat straw by burning it. The proponent has consulted several researchers at the University of Manitoba and representatives from Manitoba Agriculture while developing this proposal. Two farm organizations, Manitoba Pork and Domain Marketing Club, are participating in this project and Manitoba Agriculture staff are providing some assistance in carrying out this project, particularly by sharing the findings.

MANITOBA FARM WOMEN'S CONFERENCE

Proponents Are: Manitoba Farm Women's Conference
Date Approved: February 21, 2001
Total Amount Approved: $ 4,000.00
Total Amount Expended: $ 4,000.00

Summary:

A grant in the amount of $4,000.00 was approved February 21, 2001, to support the environmental sustainability aspects of this annual conference. These annual conferences try to address and resolve some of the current problems/issues facing Manitoba farmers each year by giving the farm women information to take back to their families and communities. The conference encourages and facilitates development and application of systems for proper resource allocation together with incentives to encourage efficient use of resources.

SOIL SUSTAINABILITY STUDY, LIVESTOCK STEWARDSHIP INITIATIVE

Proponents Are: Manitoba Conservation
Date Approved: October 25, 2000
Total Amount Approved: $122,643.00
Total Amount Expended: $ 12,053.89

Summary:

A grant in the amount of $122,643.00 was approved October 25, 2000, to conduct an independent review to examine the present state of soils and the sustainability of long-term manure application to land in Agro-Manitoba. With the construction of the Maple Leaf Plant in Brandon and the expansion of Schneider's hog processing facility in Winnipeg, there will be a substantial increase in hog production in Manitoba. In addition to the odour problem from hog production, there is the manure/nutrient management problem. The Province in March 2000 announced the Livestock Stewardship Initiative to protect the environment and ensure the future of the province's livestock industry. This initiative is a tri-department effort involving Manitoba Agriculture and Food, Manitoba Conservation and Manitoba Intergovernmental Affairs. As part of this initiative, the Province committed to a soil sustainability study and initiated a Request for Proposals. AXYS Agronomics was chosen to conduct this study. The project is ongoing and the funds not expended in the 2000/2001 fiscal year were carried over into the 2001/2002 fiscal year.

SUSTAINING RURAL COMMUNITIES WITH SUSTAINABLE AGRICULTURE: DEVELOPMENT OF AN ORGANIC FARMING MENTORSHIP PROGRAM

Proponents Are: Organic Food Council of Manitoba
Date Approved: February 21, 2001
Total Amount Approved: $ 23,500.00
Total Amount Expended: $ 23,500.00

Summary:

A grant in the amount of $23,500.00 was approved February 21, 2001, to support a project that promotes the importance and the health of organic farming in Manitoba. The project consists of two components, the first component being the establishment of an organic farming mentorship program that helps reduce economic hardship to existing organic farmers and facilitates the transmission of experience-based knowledge to new organic farmers. The second component is the establishment of a community-based communication network that will help reduce economic barriers faced by small farmers and increase the visibility of locally-grown products to Manitobans and consumers as a whole.

VALUE-ADDED GUIDE/WORKBOOK AND TRAINING PROPOSAL

Proponents Are: Parkland Economic Development Practitioners Group
Date Approved: February 21, 2001
Total Amount Approved: $ 6,400.00
Total Amount Expended: $ 6,400.00

Summary:

A grant in the amount of $6,400.00 was approved February 21, 2001, to support the development of a step-by-step value-added guide/workbook, and development of appropriate information sharing events. The guide/workbook will also contain a listing of resources where people in the Parkland area can access government and non-government programs and services to assist with value-added projects. Resource personnel are being trained on use of the guide. The primary purpose of this project is to help rural communities become more sustainable.

SUSTAINABLE COMMUNITY DEVELOPMENT

PROJECTS ALLOCATED FUNDING

DURING THE 2000/2001 FISCAL YEAR

Number of Projects: 2

Total Amount Expended $22,295.00

Project Name	Total Expended
CAN (Community Area Networks) Initiative	$ 19,850.00
Gardening Club	$ 2,445.00

SUSTAINABLE COMMUNITY DEVELOPMENT

DETAILED LISTING OF PROJECTS ALLOCATED

FUNDING DURING THE 2000/2001 FISCAL YEAR

CAN (COMMUNITY AREA NETWORKS) INITIATIVE

Proponents Are: Spence Neighbourhood Association
Date Approved: February 21, 2001
Total Amount Approved: $ 19,850.00
Total Amount Expended: $ 19,850.00

Summary:

A grant in the amount of $19,850.00 was approved February 21, 2001, to support a project to create a broad network of community residents who will work on and sustain a variety of projects to improve the environmental condition of the Spence Neighbourhood. This project would allow outreach to individuals in the community who are not currently participants. As participation increases, residents will learn skills and discover opportunities to be self-sustainable. Some of the projects to be implemented are: Spence Community Garden; Furby Tot Lot, a park expansion project on Furby Street; Litter Spotter to address littering in the community; and Community Connecting Events such as community clean-ups, housing renewal initiatives and neighbourhood beautification.

GARDENING CLUB

Proponents Are: Wolseley Family Place
Date Approved: June 9, 2000
Total Amount Approved: $ 2,445.00
Total Amount Expended: $ 2,445.00

Summary:

A grant of $2,445.00 was approved June 9, 2000, to support the cultivation of an organic garden in the Wolseley area of Winnipeg. The proponent is a resource centre that serves to provide health-related programs to families with children under six years of age. This project will serve to give these families the opportunity to become involved in growing vegetables, herbs and flowers that are shared once they are harvested. Some of the fresh produce is incorporated into a cooking program to teach the participants how to use the many different herbs and vegetables from the garden. Part of the garden produce is given to the food bank.

UNDERSTANDING OUR ENVIRONMENT

PROJECTS ALLOCATED FUNDING

DURING THE 2000/2001 FISCAL YEAR

Number of Projects: 20

Total Amount Expended: $333,604.69

Project Name	Total Expended
Canada, Embrassez la Verdure	$ 5,000.00
Canada-European (EU) Agreement Humane Trapping Standards	$ 20,000.00
Climate Action Now!	$ 38,125.00
Compost Action Project	$ 35,000.00
Developing Guidelines for the Implementation of Conservation Agreements in Manitoba	$ 5,000.00
Eco-Centre and Library Upgrade	$ 15,000.00
Educating Aboriginal Youth in Northern Manitoba Communities	$ 23,300.00
Frank Skinner Heritage Garden	$ 40,000.00
Manitoba Important Bird Areas (IBA) Program	$ 12,000.00
Manitoba Youth Round Table for Sustainable Development	$ 0.00
Millennium Park	$ 40,000.00
Naturescape Manitoba	$ 25,000.00
Publication of Conference Proceedings	$ 2,000.00
Publication of Proceeding Document for Organic Agriculture Conference	$ 1,279.69
RCM and MARR Spring Conference and Trade Show	$ 2,000.00

Project Name	Total Expended
Sustainable Development for the Cavity-Dependent Forest Wildlife of Manitoba's Mid-Boreal Upland Ecoregion	$ 15,000.00
The EverGrow EnviroShow	$ 1,200.00
Wilderness Education Centre Rebuild – Composting Lavatory	$ 7,500.00
Woodland Caribou Management and Research Strategy for Eastern Manitoba	$ 25,000.00
Working Together to Sustain Winnipeg's Riparian Forests	$ 21,200.00

UNDERSTANDING OUR ENVIRONMENT

DETAILED LISTING OF PROJECTS ALLOCATED

FUNDING DURING THE 2000/2001 FISCAL YEAR

CANADA, EMBRASSEZ LA VERDURE

Proponents Are: Ecole Tuxedo Park School
Date Approved: February 21, 2001
Total Amount Approved: $ 5,000.00
Total Amount Expended: $ 5,000.00

Summary:

A grant in the amount of $5,000.00 was approved February 21, 2001, to support the landscaping phase of a five-year project to create a garden green space while incorporating safe play spaces that serve as outdoor classrooms. The project will be completed in five phases, the first phase being the plantings around the school as well as the preparation of the beds and planters. The students from Kindergarten to grade six are involved in the selection and planting of Manitoba native plants, shrubs and trees, along with much of the decision making for the project. The objectives of this project are to develop natural habitats and biodiversity within the school grounds; promote responsibility; foster pride; and educate the students on environmental issues.

CANADA-EUROPEAN (EU) AGREEMENT HUMANE TRAPPING STANDARDS

Proponents Are: Indian Cultural Education Productions (I.C.E.) Ltd.
Date Approved: October 25, 2000
Total Amount Approved: $ 20,000.00
Total Amount Expended: $ 20,000.00

Summary:

A grant of $20,000.00 was approved October 25, 2000, to support the production of a video to communicate the terms and conditions of the EU-Canada Agreement to thousands of trappers who live in remote communities. This agreement came into place beginning with the 2000-2001 trapping season and to many of the Manitoba trappers, particularly the northern Aboriginal people, this means changing the methods they have traditionally used to take furbearers. The video was broadcast through the various media outlets including the Aboriginal Peoples Television Network (APTN).

CLIMATE ACTION NOW!

Proponents Are: Resource Conservation Manitoba Inc.
Date Approved: June 9, 2000
Total Amount Approved: $ 38,125.00
Total Amount Expended: $ 38,125.00

Summary:

A grant of $38,125.00 was approved June 9, 2000, to support the first two phases of a three-stage project to raise awareness concerning climate change, and to promote steps that individuals and groups can take to conserve fossil fuels, save money and help reduce greenhouse gases. The objectives of this project are to increase awareness and understanding of climate change and promote action by the citizens of Winnipeg to reduce greenhouse gas emissions. The proponent proposes to reduce the greenhouse gas emissions through a publicized Anti-idling Campaign; by acting as a provincial hub for the Canadian Commuter Challenge; through a publicized Transit Boosting Campaign; by developing a Green Commuting Handbook; through exploration of a Transit Discount Day event with City of Winnipeg Transit; through research, development and implementation of a Car Check emissions program; and through research, development and implementation of a school-based transportation alternatives program.

COMPOST ACTION PROJECT

Proponents Are: Resource Conservation Manitoba Inc.
Date Approved: June 9, 2000
Total Amount Approved: $ 35,000.00
Total Amount Expended: $ 35,000.00

Summary:

A grant of $35,000.00 was approved June 9, 2000, to assist with a three-year project to educate Manitobans concerning the waste reduction and climate stabilization benefits of composting. The proponent proposes to distribute a "how-to" manual to assist local municipalities in implementing backyard composting programs in their communities; train facilitators to deliver public composting workshops; set up a toll-free Manitoba-wide hotline to answer questions and help solve composting problems; set-up demonstration sites with model bins and interpretative signs; and support these initiatives by advertising in weekly newspapers. The purpose of this project is to reduce greenhouse gas emissions, reduce fossil fuel energy and combustion emissions in transportation by diverting materials from landfills and raise public awareness of the climate change benefits of backyard composting.

DEVELOPING GUIDELINES FOR THE IMPLEMENTATION OF CONSERVATION AGREEMENTS IN MANITOBA

Proponents Are: University of Manitoba, Natural Resources Institute
Date Approved: February 21, 2001
Total Amount Approved: $ 5,000.00
Total Amount Expended: $ 5,000.00

Summary:

A grant in the amount of $5,000.00 was approved February 21, 2001, to support a research project and preparation of a master's thesis on guidelines for the implementation of conservation agreements in Manitoba. The Master's student completing this thesis will interview professional staff from North Dakota, Minnesota, Ontario, Saskatchewan and Alberta where conservation easements and agreements have been in place for awhile. Conservation easements and the agreements associated with them are relatively new in Manitoba. The goal of the project is to establish guidelines for conservation agencies such as Ducks Unlimited, Manitoba Habitat Heritage Corporation (MHHC), Delta Waterfowl and The Nature Conservancy Canada (Manitoba) for drafting monitoring, enforcement and legal concerns associated with conservation agreements.

ECO-CENTRE AND LIBRARY UPGRADE PROJECT

Proponents Are: Manitoba Eco-Network
Date Approved: June 9, 2000
Total Amount Approved: $ 15,000.00
Total Amount Expended: $ 15,000.00

Summary:

A grant of $15,000.00 was approved June 9, 2000, to support the development of a community Eco-Centre in Winnipeg and to upgrade Manitoba Eco-Network's Environmental Resource Library. The Resource Centre, with its focus on grassroots and practical information for consumers, will complement the libraries found at the International Institute for Sustainable Development that emphasizes high-level policy information and Manitoba Conservation, with its more technical focus. Library information management systems will be established in the Resource Centre.

EDUCATING ABORIGINAL YOUTH IN NORTHERN COMMUNITIES USING TRADITIONAL ECOLOGICAL KNOWLEDGE AND WESTERN SCIENCE

Proponents Are: Boreal Forest Network/Taiga Rescue Network
Date Approved: February 21, 2001
Total Amount Approved: $ 23,300.00
Total Amount Expended: $ 23,300.00

Summary:

A grant in the amount of $23,300.00 was approved February 21, 2001, to support a 10-week community-based environmental program for Aboriginal youth from communities in central and northern Manitoba. Using both Traditional Ecological Knowledge (TEK) and western science, students gained an understanding of environmental problems and solutions facing Aboriginal communities in Manitoba, scientific literacy in the areas of impact assessment, monitoring and natural resource management, and the role of both TEK and science in local environmental decision making. The program relied on Aboriginal Elders and science professionals and was conducted in the traditional territory of the Hollow Water First Nation during the summer of 2001.

FRANK SKINNER HERITAGE GARDEN

Proponents Are: Frank Skinner Aboretum Corporation
Date Approved: August 23, 2000
Total Amount Approved: $ 40,000.00
Total Amount Expended: $ 40,000.00

Summary:

A grant in the amount of $40,000.00 was approved August 23, 2000, to support a project to establish a heritage garden and publish an interpretive booklet. The original ornamental material of Dr. Frank Skinner, Sr. is being brought together and the garden, once completed, will be used to demonstrate the principles of plant breeding to various groups such as schools and individuals who visit the arboretum. Creating the heritage garden will restore the integrity of this site and enhance the site for horticultural and heritage educational purposes. Graduate students from the Department of Landscape Architecture, University of Manitoba, are involved in the development of the garden plan and site and the development of an interpretive booklet.

MANITOBA IMPORTANT BIRD AREAS (IBA) PROGRAM

Proponents Are: Manitoba Naturalists Society Inc.
Date Approved: February 21, 2001
Total Amount Approved: $ 12,000.00
Total Amount Expended: $ 12,000.00

Summary:

A grant in the amount of $12,000.00 was approved February 21, 2001, to support the Manitoba IBA program, an international bird conservation initiative, for two years. The project consists of two parts, one being the production of a community conservation plan outlining the importance of the area, the significant bird species, partners involved and action plan objectives. The second part is the education and ecotourism deliverable. This deliverable consists of a document that on one side has a map of Manitoba that identifies the IBA site and project area and on the reverse side, text describing each project, the project area, and what birders and ecotour groups can expect to observe, the best times for observation, and infrastructure available in the local community.

MANITOBA YOUTH ROUND TABLE FOR SUSTAINABLE DEVELOPMENT

Proponents Are: Manitoba Conservation, Environmental Stewardship Division
Date Approved: February 21, 2001
Total Amount Approved: $ 25,000.00 (for 2001/2002 FY)
Total Amount Expended: $ 0.00

Summary:

A grant in the amount of $25,000.00 was approved February 21, 2001, to support the operation of the Manitoba Youth Round Table (YRT) for Sustainable Development during the 2001/2002 fiscal year. The YRT is comprised of young Manitobans between the ages of 16 to 24 years, from all regions of Manitoba, with varying backgrounds and experience. The purpose of the YRT is to educate young Manitobans in all areas concerning sustainable development and encourage their participation in educational events. It is intended to give young people an opportunity to voice their opinions, concerns and ideas on the use, development and protection of our environment. The focus of their work revolves around a number of specific projects such as a business planning process to establish goals and objectives, assisting the Manitoba Round Table in a research capacity, developing a youth speaker's bureau and being involved with public consultation exercises, possibly in conjunction with local youth initiatives and community round tables.

MILLENNIUM PARK

Proponents Are: Red River College
Date Approved: October 25, 2000
Total Amount Approved: $ 40,000.00
Total Amount Expended: $ 40,000.00

Summary:

A grant of $40,000.00 was approved October 25, 2000, to support the creation of a Millennium Park on the Red River College grounds. The two-fold purposes of this park are to create an educational and research setting for students and industry and provide the residents in the area with green space. This park will become a significant green space within the City limits and provide the Greenspace Management and Landscape Technician students of the college with hands-on, educational experience. The educational and research facilities will include arboretums, berms reclamation area and xeriscaping and use of native plants.

NATURESCAPE MANITOBA

Proponents Are: Manitoba Naturalists Society, Inc.
Date Approved: October 25, 2000
Total Amount Approved: $ 25,000.00
Total Amount Expended: $ 25,000.00

Summary:

A grant of $25,000.00 was approved October 25, 2000, to support the development and distribution of an information package that will enable individuals and organizations to transform small urban and rural areas, including backyards, into wildlife friendly areas. The Naturescape Manitoba information kit consists of: a core document that includes information on the benefits of small area habitat; natural habitats found in and around Winnipeg and the prairie ecozone in Southern Manitoba; the needs of wildlife; practical steps for a range of projects for backyards or neighbourhood areas; a companion resource document that provides current information on local resources; a guide to local demonstration sites that can be visited; and a full colour promotional brochure to promote the kit.

PUBLICATION OF CONFERENCE PROCEEDINGS

Proponents Are: Avalon Institute of Applied Science
Date Approved: February 21, 2001
Total Amount Approved: $ 2,000.00
Total Amount Expended: $ 2,000.00

Summary:

A grant in the amount of $2,000.00 was approved February 21, 2001, to support the publication of the proceedings from a conference, held in Winnipeg, on the application of micro-and meio-organisms to environmental problems. Scientists from twenty different countries attended the conference and ten additional scientists submitted papers to the conference. Cutting edge biotechnology information will be disseminated through the publication of the proceedings from the Winnipeg conference and will link the province to leading information in the international market place.

PUBLICATION OF PROCEEDINGS DOCUMENT FOR ORGANIC AGRICULTURE CONFERENCE

Proponents Are: Manitoba Eco-Network
Date Approved: October 25, 2000
Total Amount Approved: $ 1,279.69
Total Amount Expended: $ 1,279.69

Summary:

A grant of $1,279.69 was approved October 25, 2000, to support the publication of the proceedings from the Organic Agriculture Conference held at the University of Manitoba on February 23 and 24, 2001. The two previous sold-out conferences have demonstrated the need and interest that exists for information on technical and marketing strategies for organic food production.

RCM AND MARR SPRING CONFERENCE AND TRADE SHOW

Proponents Are: Resource Conservation Manitoba (RCM)
Date Approved: April 25, 2000
Total Amount Approved: $ 2,000.00
Total Amount Expended: $ 2,000.00

Summary:

A grant of $2,000.00 was approved April 25, 2000, to host the fourth biennial Manitoba Waste Reduction Conference and Trade Show. The Conference took place on April 26-28, 2000, at the International Inn in Winnipeg. The theme of the Conference was "The Ecology of Waste Reduction: Stewardship and Sustainability". In the past, this event has featured over 30 local and national guest speakers, 25 trade-show exhibits and over 200 delegates from across the province.

SUSTAINABLE DEVELOPMENT FOR THE CAVITY-DEPENDENT FOREST WILDLIFE OF MANITOBA'S MID-BOREAL UPLAND ECOREGION

Proponents Are: Mixed Forest Research & Advisory Committee (MFRAC)
Date Approved: October 25, 2000
Total Amount Approved: $ 15,000.00
Total Amount Expended: $ 15,000.00

Summary:

A grant of $15,000.00 was approved October 25, 2000, to support a project to analyze the data collected to date and report on the findings of a research study on species that require tree cavity habitat in the Duck and Porcupine Mountains of Western Manitoba. The information is necessary for ecosystem management by forest managers in the province.

THE EVERGROW ENVIROSHOW

Proponents Are: Green Kids Inc.
Date Approved: February 21, 2001
Total Amount Approved: $ 1,200.00
Total Amount Expended: $ 1,200.00

Summary:

A grant of $1,200.00 was approved February 21, 2001, to support the purchase of educational materials and supplies for a new theatrical production on environmental issues. The play considered such environmental issues as clean energy, waste management, forest preservation, mass/public transportation, global and local climate change, recycling and reusing. Performances used interaction and comedy and were geared towards students from Kindergarten to grade eight. In this way, children are educated regarding the steps they can take in order to have an optimistic impact on their future and their environment. The performance was taken to various schools in Manitoba, Ontario and Saskatchewan.

WILDERNESS EDUCATION CENTRE REBUILD – COMPOSTING LAVATORY

Proponents Are: Manitoba Naturalists Society, Inc.
Date Approved: August 23, 2000
Total Amount Approved: $ 7,500.00
Total Amount Expended: $ 7,500.00

Summary:

A grant of $7,500.00 was approved August 23, 2000, to support the purchase of a composting toilet for the Wilderness Education Centre. This Centre, located on an island in the wilderness zone of Manitoba's Whiteshell Provincial Park, burnt to the ground in 1999 and the proponent is rebuilding the facility in an environmentally friendly manner. The composting toilet replaced a pit toilet and will serve as an example for remote locations within the province.

WOODLAND CARIBOU MANAGEMENT AND RESEARCH STRATEGY FOR EASTERN MANITOBA

Proponents Are: Time to Respect Earth's Ecosystems (T.R.E.E.) Inc. and Lac du Bonnet Fish and Wildlife Club
Date Approved: February 21, 2001
Total Amount Approved: $ 25,000.00
Total Amount Expended: $ 25,000.00

Summary:

A grant in the amount of $25,000.00 was approved February 21, 2001, to support research on woodland caribou herd locations and habitat areas in Eastern Manitoba. Woodland Caribou are a "Threatened Species" and are highly susceptible to human caused disturbance, and thus represent a significant constraint in the planning and implementation of various resource, hydro or access developments in areas they occupy. The gathering of extensive and continuous data to pinpoint locations of activities of a sample of caribou populations, will provide important baseline data on caribou behavior that will help in regional land planning and in the development of regional woodland caribou management plans.

WORKING TOGETHER TO SUSTAIN WINNIPEG'S RIPARIAN FORESTS

Proponents Are: University of Manitoba, Department of Botany
Date Approved: February 21, 2001
Total Amount Approved: $ 21,200.00
Total Amount Expended: $ 21,200.00

Summary:

A grant in the amount of $21,200.00 was approved February 21, 2001, to support a two-year research project on the conservation of Winnipeg's riparian forests. The research will document, and expand on, the knowledge base surrounding urban river-bottom or riparian forests in and around the City of Winnipeg. Recommendations will be developed in consultation with community groups to mitigate the impacts of surrounding land use on these forest ecosystems. Management recommendations will be made regarding the conservation and restoration of these forest patches and an evaluation of current monitoring and management programs will be conducted. The results of this research will be used in educational material to promote the importance of these forests.

WATER

PROJECTS ALLOCATED FUNDING

DURING THE 2000/2001 FISCAL YEAR

Number of Projects: 8

Total Amount Expended: $152,642.00

Project Name	Total Expended
Boyne River Revitalization and Walkway	$ 0.00
Ensuring the Sustainability of Safe Drinking Water	$ 14,142.00
Oak Lake Aquifer Management Plan: Education	$ 15,000.00
On the Water Front Conference	$ 1,000.00
Onsite Wastewater Treatment – Working Exhibit	$ 50,000.00
Project to Seal Abandoned Wells	$ 2,500.00
Seine River Aeration	$ 45,000.00
Water Quality in the Westlake Area	$ 25,000.00

WATER

DETAILED LISTING OF PROJECTS ALLOCATED

FUNDING DURING THE 2000/2001 FISCAL YEAR

BOYNE RIVER REVITALIZATION AND WALKWAY

Proponents Are: Boyne Valley Trails Committee
Date Approved: June 9, 2000
Total Amount Approved: $ 15,000.00
Total Amount Expended: $ 0.00

Summary:

A grant of $15,000.00 was approved June 9, 2000, to support a project to remove dead trees, reshape and clean the streambank, construct two ponds and develop walking trails along the Boyne River. One of the ponds will include nesting islands for wildlife habitat while the other will include a fountain and geysers. The streambank will be planted with trees, shrubs and plants and walking trails and wooden bridges will be constructed for wildlife enthusiasts, tourists and local residents to use and enjoy. The trails will also be utilized in winter as cross-country ski trails. The project is ongoing and the funds not expended in the 2000/2001 fiscal year were carried over into the 2001/2002 fiscal year.

ENSURING THE SUSTAINABILITY OF SAFE DRINKING WATER

Proponents Are: University of Winnipeg, Department of Biology
Date Approved: February 21, 2001
Total Amount Approved: $ 14,142.00
Total Amount Expended: $ 14,142.00

Summary:

A grant of $14,142.00 was approved February 21, 2001, to support a research project that will apply newly developed methods from molecular genetics to problems in applied microbiology, particularly as it regards safeguarding drinking water supplies. The project is concerned with pinpointing the source of fecal contamination, which can introduce bacteria such as *E. coli* in water using "molecular fingerprinting" of individual *E. coli* strains found contaminating water supplies. Fingerprints from the same type of mammalian host have similar fingerprints. Therefore, by fingerprinting water contaminant *E. coli*, the type of mammal responsible for the fecal contamination can be determined and effective measures can be taken to correct this contamination and prevent its reoccurrence.

OAK LAKE AQUIFER MANAGEMENT PLAN: EDUCATION

Proponents Are: Oak Lake Aquifer Management Advisory Board
Date Approved: October 25, 2000
Total Amount Approved: $ 15,000.00
Total Amount Expended: $ 15,000.00

Summary:

A grant of $15,000.00 was approved October 25, 2000, to support a project to obtain the materials needed for an effective education campaign regarding the Oak Lake Aquifer. The committee will distribute aquifer information to the people who reside and work in the aquifer area south of Virden, Manitoba. The people in this aquifer area are the ones who have an impact on future aquifer water quality and quantity. A local school/group are involved in the development of an educational video.

ON THE WATER FRONT CONFERENCE

Proponents Are: Winnipeg Water Watch and the Canadian Union of Public Employees, Manitoba Regional Office
Date Approved: February 21, 2001
Total Amount Approved: $ 1,000.00
Total Amount Expended: $ 1,000.00

Summary:

A grant of $1,000.00 was approved February 21, 2001, to support a one and one-half day conference and public forum on water issues in Manitoba. The conference and forum was held in Winnipeg on April 6 and 7, 2001, with keynote speaker Elizabeth May, Executive Director, Sierra Club of Canada. The workshops held at this conference were Water Quality – surface and groundwater, The State of Lake Winnipeg, Water Exports and Trade and Privatization of Water and Wastewater Services. The proponent advertised and promoted this event to a wide variety of individuals including environmentalists, community groups and any other individual or group interested in water issues.

ONSITE WASTEWATER TREATMENT – WORKING EXHIBIT

Proponents Are: Fort Whyte Centre Inc.
Date Approved: February 21, 2001
Total Amount Approved: $ 50,000.00
Total Amount Expended: $ 50,000.00

Summary:

A grant in the amount of $50,000.00 was approved February 21, 2001, to support construction of an aerated, three-cell sewage lagoon that will treat wastewater from Fort Whyte Centre. The tertiary cell, an artificial wetland, will demonstrate and further the educational aspects of the role wetlands play in providing wildlife habitat, as well as filtering and purifying wastewater. The project will emphasize the importance of wetland conservation and water quality to the health of the land and people. This is the first time constructed marsh/wetlands will have been used for tertiary sewage treatment within an urban centre in Manitoba.

PROJECT TO SEAL ABANDONED WELLS

Proponents Are: Cooks Creek Conservation District No. 5
Date Approved: June 9, 2000
Total Amount Approved: $ 2,500.00
Total Amount Expended: $ 2,500.00

Summary:

A grant of $2,500.00 was approved June 9, 2000, to support a project to seal unused and abandoned wells within the boundaries of the Conservation District. Unsealed wells are conduits by which surface pollutants can directly enter and contaminate an aquifer. Almost all of the District's residents obtain their household water from groundwater wells. Some larger diameter dug wells are also safety hazards for people and animals.

SEINE RIVER AERATION

Proponents Are: Town of Ste. Anne
Date Approved: October 25, 2000
Total Amount Approved: $ 45,000.00
Total Amount Expended: $ 45,000.00

Summary:

A grant of $45,000.00 was approved October 25, 2000, to support a project to rehabilitate the Seine River flowing through the Town of Ste. Anne, Manitoba. The project involves the installation of an aeration system from the Seine River diversion floodgates to the first weir near the CN-bridge within the town limits. The project includes installation of six linear diffusion systems, in the river, over a distance of approximately 6,500 feet.

WATER QUALITY IN THE WESTLAKE AREA

Proponents Are: Alonsa Conservation District
Date Approved: February 21, 2001
Total Amount Approved: $ 25,000.00
Total Amount Expended: $ 25,000.00

Summary:

A grant of $25,000.00 was approved February 21, 2001, for seed funding to support the hiring of a water resource coordinator. The water resource coordinator will examine the broad concept of water quality and how it relates to both health and environment. This person is responsible for coordinating and prioritizing all water quality related programs and responding to landowner inquiries and emergency situations.

BROAD ALLOCATIONS

PROGRAMS ALLOCATED FUNDING

DURING THE 2000/2001 FISCAL YEAR

Number of Projects: 4

Total Amount Expended: $842,481.32

Project Name	Total Expended
Environmental Youth Corps	$130,832.32
Manitoba Climate Change Action Fund	$234,849.00
Manitoba Orphan Mine Site Program	$ 61,800.00
Waste Reduction and Pollution Prevention (WRAPP) Fund	$415,000.00

BROAD ALLOCATIONS

DETAILED LISTING OF PROJECTS ALLOCATED

FUNDING DURING THE 2000/2001 FISCAL YEAR

ENVIRONMENTAL YOUTH CORPS (EYC) PROGRAM

Proponents Are: Manitoba Conservation
Date Approved: May 30, 2000
Total Amount Approved: $200,000.00
Total Amount Expended: $130,832.32

Summary:

The Environmental Youth Corps (EYC) has provided Manitoba's young people with an opportunity to prepare for the environmental challenges of tomorrow by helping them gain valuable education and experience today. EYC encourages youth to volunteer within their community for projects to improve and protect Manitoba's environment. The EYC program allows youth the opportunity to be involved in a variety of environmental activities that may otherwise not occur. The EYC program has demonstrated the government's commitment of increasing the opportunities for young people to be involved in environment-related activities, and to further the commitment of environmental protection and education for youth.

Environmental projects eligible for funding to a maximum of $5,000.00 include (but are not restricted to): water quality, waste minimization (recycling, composting, etc.), protection of flora and fauna, rehabilitation and conservation of the natural environment, wildlife conservation and habitat preservation.

EYC SUMMARY

Total Allocation for 2000/2001	**$200,000.00**
Applications Processed	29
Applications Approved	26
Applications Deferred	0
Applications Declined	2
Applications Withdrawn	1
Number of Youth Involved	2,089
Total Amount for Grants Approved	$82,205.50
Total Amount for Grants Expended	$82,205.50
Administration Costs (travel, printing, promotion, Coordinator's salary)	$48,626.82
Total Amount Expended	**$130,832.32**

Brief descriptions of the twenty-six (26) projects approved under the EYC program during the 2000/2001 fiscal year are as follows:

WINNIPEG REGION

Tec Voc High School, in partnership with Omand's Creek will involve of up to 30 youths in the restoration of Omand's Creek. The goal of this project is to continue to restore the "Tec Voc study site at Omand's Creek". Youths will assist in restoring the stream and its banks to their natural state, with planting of indigenous vegetation, with the assistance of the City of Winnipeg Naturalist. *Approved $2,300.*

Ecole Royal School Parent Council will involve up to 150 youths in a school ground revitalization project. Youths will assist in developing an outdoor classroom by creating raised garden beds, planting fruit orchard trees, as well as building and installing bat houses. In implementing this project, Ecole Royal School will also create a rooftop watershed reuse system for the purposes of watering the garden and greenspace area as a water conservation effort. *Approved $2,930.*

St. Norbert Immersion School has proposed an "Outdoor Classroom Adventure Project". The project proposes a unique opportunity to develop an environmental curriculum, based on making the LaSalle River and its banks part of the school learning process. The project proposes to provide youth with a scientific-based understanding of the LaSalle ecosystem and implementation of an interpretation and reforestation program for the LaSalle River behind the school. The school community, including parents, students and staff will participate in tree planting activities. The school has partnered with the City of Winnipeg to supervise all reforestation activities. *Approved $5,000.*

Ecole Julie-Riel Parents' Association has proposed to initiate a schoolyard enhancement initiative, "Millennium Playground Project". The playground area will be improved with low maintenance landscaping, proper drainage, trees, shrubs, park benches and garbage bins. The St. Vital School Division has agreed to maintain the grounds. *Approved $2,200.*

St. George School Parent and Community Association has proposed to undertake a schoolyard beautification and enhancement initiative, "St. George Playground Rejuvenation and Grounds Naturalization Project". In undertaking this project, youth will assist in planting native trees, plants and grasses on the school grounds. The intent of this project is to provide a complete ecosystem through composting, placement of birdhouses, and butterfly houses. *Approved $5,000.*

Murdoch MacKay Collegiate Institute has proposed to undertake a schoolyard enhancement initiative, "Murdoch MacKay Collegiate Millennium Landscape Project". The project proposes to involve students to participate in the planning, planting, building and maintenance of the project so that they will take ownership of the site. *Approved $5,000.*

Montrose Common Committee has proposed to undertake a schoolyard beautification and enhancement initiative, "The Montrose Common". Funding is requested to assist in the implementation of a sustainable urban habitat for native plant and animal species. Youth will be provided a hands-on opportunity for learning about the environment. The project includes an outdoor classroom theme by establishing a small amphitheatre and raised planting bed for the youth. *Approved $5,000.*

West St. Paul Parent Advisory Committee will involve up to 150 youths in an "Outdoor Enhancement Project". Youth will participate in this project to establish a forest and wetland park ecosystem that will result in a parkland environment. Youth will assist in planting trees, native grasses and shrubs. *Approved $5,000* .

Ecole James Nisbet Parent Liaison Association will involve up to 420 youth in a community enhancement and greening project. Youth will assist in "greening " the schoolyard by creating living garden sites by planting shrubs, flowers, and other vegetation. The long-term objective of the project is to attract birds, butterflies and other small wildlife to the schoolyard setting which that would provide an opportunity for teaching and learning the ecological, environmental and biological components of the science curriculum. *Approved $2,340.*

Greening St. Emile Committee will involve over 250 youth in the project "Greening St. Emile". The "greening" project will be implemented in phases: transforming the school entrance into a bat, bird and butterfly walk; adding islands of greenspace along the parking lot; greening around the new play structure; and transforming an unused area of the school ground into a fruit/vegetable garden. The youth will assist in creating a green landscape by planting trees, shrubs and flowers. The goal of this project is to provide food and shelter for wildlife species, a stimulating environment for learning and social interaction, and vegetables for the St. Emile Parish food bank. *Approved $5,000.*

EASTERN-INTERLAKE

East Side United Recreation (Wanipigow, MB) will involve 10 youths in nesting grounds clean up project. Numerous waterfowl and birds nest along the shore. Since the flood of 1997, an increase in shoreline litter has accumulated. The youths will assist in removing debris in a shoreline clean up along Lake Winnipeg. *Approved $370.*

AKI Environmental Group (Wanipigow, MB) will involve 14 youths in a community enhancement project. Youths will assist in developing road side flower beds, planting trees, designing and building a community welcome sign (using local field stone) and cleaning up the area of litter. *Approved $2,800.*

Hazelridge School Parent/Teacher Group will involve 62 youths in a schoolyard rejuvenation and restoration project. Youths will assist in developing a community park by creating wildlife habitat with the planting of trees, shrubs and perennials, and incorporating shelters and feeders for birds, bats, butterflies and other wildlife This area will also serve as an outdoor classroom and research lab for the students at the school. *Approved $1,665.*

SOUTH-CENTRAL

Somerset School Parent Advisory Committee has proposed to undertake community enhancement initiative, "Children and the Environment, Somerset School Enrichment Program". The project will enhance the school grounds with low maintenance plants to attract wildlife. The project involves youth in the planting of hedges, native grasses and wildflowers. *Approved $2,500.*

NORTHERN

Manitoba Metis Federation-Snow Lake Local, in partnership with the **Town of Snow Lake,** will involve up to 14 youths in a community park development and restoration project. Youths will assist by cleaning the site of litter and debris, creating pathways, creating flowerbeds and planting shrubs and perennials, as well as building and installing birdhouses and feeders. *Approved $5,000.*

Moose Lake Community Council proposes to involve up to 15 youths in a community enhancement and rehabilitation project. Youths will assist in cleaning vacant lots by removing stones and litter, planting perennials and shrubs within the community, and creating recycling bins for the community. *Approved $3,613.*

Pikwitonei Community Council will involve up to 12 youths in a community environmental enhancement project. The goal of this project is to make the surrounding areas more park-like. Youths will assist in seeding selected areas (Rapids Park, Landing, Point, Sport's Field and Mutanen's Parks) with grass, planting trees, and creating flowerbeds. In making these areas more accessible to the community, youths will assist in developing pathways to the various areas. *Approved $1,600.*

Opaskwayak Cree Nation Youth Centre (The Pas) will involve up to 8 youth in a community enhancement and beautification project. Youth will participate by transplanting trees onto OCN public lands: OCN Arbor site, Gordon Lathlin Memorial Centre, OCN Community Hall, and along the main street. *Approved $1,500.*

PARK-WEST

Decker Colony School will involve 52 youths in a community enhancement and rehabilitation project. Youths will assist in naturalizing an area by planting and pruning trees, creating a butterfly garden, as well as building and installing bird houses, feeders and other nesting structures to create wildlife habitats. *Approved $3,460.*

Pierson Environmental Group will involve 75 youths in a community enhancement and rehabilitation project. In undertaking this project, Pierson Environmental Group will continue to partner with the R.M. of Edward, Antler River School Division, Pierson School, Pierson Park Board, as well as businesses and citizens of Pierson in implementing its project activities. Youths will assist in cleaning a creek bed, continue to maintain the school tree nursery by planting seedlings and transplanting trees from the nursery to an erosion prone area, restoration of an area of prairie grassland and post interpretative signage at the site. They will also develop a green area by planting native plants, trees and shrubs at Pierson School as part of a millennium initiative. *Approved $5,000.*

Crane River Recreation Commission will involve up to 14 youths in the continued development of a multi-purpose nature trail and the revitalization of the swimming area. The youths will care for trees planted last year, and continue to create a park-like setting with benches and signs. *Approved $2,240.*

Spence Lake Recreation Commission will involve up to eight youths in a community enhancement project, "Outdoors in Spence Lake, Phase II". Youths will assist with continued development of a multi-purpose trail, clean up ditches and roads and care for existing trees and flowers planted. *Approved $2,770.*

Red Deer Lake Community Council will involve 12 youths in an environmental community enhancement project. Youths will assist in a community and lakeshore clean up project, as well as plant flowers to beautify the community. *Approved $1,499.50.*

Meadow Portage Recreation Commission will involve up to seven youths in a beautification and enhancement project of the Community Park and surrounding area. Youths will assist by seeding grass in the recreation area, as well as participating in a community clean up. The youths will also participate in a community-recycling project. *Approved $2,220.*

Neelin High School Environment Club has proposed to undertake a community tree planting initiative, "The Greening of Brandon". Approximately 100 youth will participate in this initiative by planting trees on public school grounds to create a dynamic urban ecosystem. Trees will be planted at the following sites: Kirkcaldy Heights Elementary, Harrison Junior High, Fleming Elementary, Neelin High School, and New Era School. Youths from the Neelin Environment Club and the host schools will prepare the sites for tree planting. *Approved $2,575.*

Lt. Col Barker V.C. School Parent Partnership Council (Dauphin) will involve up to 280 youths in a community greening and enhancement project that will create an environment for an outdoor classroom. The youth will participate in planting trees, shrubs, native plants and grasses. *Approved $3,973.*

MANITOBA CLIMATE CHANGE ACTION FUND

Proponents Are: Manitoba Conservation
Date Approved: July 18, 2000
Total Amount Approved: $250,000.00
Total Amount Expended: $234,849.00

Summary:

Treasury Board approved a four year $1.0 million Broad Allocation ($250,000.00 annually) under the Sustainable Development Innovations Fund for a Climate Change Action Fund (MCCAF). Manitoba Conservation, Climate Change Branch, is to administer the Manitoba Climate Change Action Fund (MCCAF) to support practical, Manitoba based, actions that respond to the issue of Climate Change. MCCAF will support projects focusing on public education and outreach; the scientific understanding of climate change impacts and potential adaptation practices; technological innovation (research and commercialization); energy efficiency and alternative or "green energy". MCCAF will provide up to 50% of the total budget costs.

The Minister of Conservation has delegated grant approval authority up to $25,000.00, including approvals cashflowed or phased over more than one fiscal year.

MCCAF SUMMARY

Total Allocation for 2000/2001	**$250,000.00**
Applications Process	41
Applications Approved	14
Applications Deferred	12
Applications Declined	15
Applications Withdrawn	0
Total Amount for Grants Approved	$234,849.00
Total Amount Expended	**$234,849.00**

Brief descriptions of the fourteen (14) projects approved under the Manitoba Climate Change Action Fund during the 2000/2001 fiscal year are as follows:

EDUCATION AND OUTREACH

2001 MANITOBA ENVIROTHON- CLIMATE CHANGE COMPONENT

Proponents Are: Manitoba Forestry Association Incorporated
Date Approved: March 9, 2001
Total Amount Approved: $ 3,500.00
Total Amount Expended: $ 3,500.00

Summary:

A grant of $3,500.00 was approved to support a two-day Olympic-style environmental competition for high school students with both a trail and oral component. It is intended to educate all Manitobans regarding the importance of forests, soils, aquatics and wildlife. This year's special theme was rural/urban non-point source pollution. Non-point source pollution relates to pollution that originates from a number of diffuse sources such as agriculture, resource extraction, sewage discharge, etc. and has an effect on surface and ground water quality.

CLIMATE CHANGE ACTION FROM THE GROUND UP

Proponents Are: Manitoba Eco-Network
Date Approved: March 9, 2001
Total Amount Approved: $ 12,891.00
Total Amount Expended: $ 12,891.00

Summary:

A grant of $12,891.00 was approved to support a project that is of a non-technical nature and relates to covering expenses to keep environmental groups aware of, and participating in, the development of a Climate Change Action Plan for Manitoba. The proponent wishes to become directly involved in the consultative process to determine who will be responsible for implementing the Climate Change Action Plan.

CLIMATE CHANGE EDUCATION – DEVELOPMENT AND IMPLEMENTATION OF A CLIMATE CHANGE CURRICULUM FOR FIRST NATION COMMUNITIES IN MANITOBA

Proponents Are: Centre for Indigenous Environmental Resources (CIER)
Date Approved: March 9, 2001
Total Amount Approved: $ 25,000.00
Total Amount Expended: $ 25,000.00

Summary:

A grant of $25,000.00 was approved to conduct literature research and engage in focus group discussions, with members of First Nation communities in Manitoba, to develop, deliver and evaluate a curriculum on climate change. The curriculum will be incorporated as a module of the Environmental Education and Training Program (EETP) to educate all First Nations youth from across Canada that are enrolled in EETP. The project will develop and deliver a booklet that outlines the different climate change forums and initiatives currently existing in Canada.

CLIMATE CLOCK

Proponents Are: International Institute for Sustainable Development (IISD)
Date Approved: March 9, 2001
Total Amount Approved: $ 12,500.00
Total Amount Expended: $ 12,500.00

Summary:

A grant of $12,500.00 was approved to create a "Climate Clock" to be used as a visual counter to measure our current rate of production of greenhouse gas emissions against our international commitments. Both an Internet and portable version of the clock are being proposed.

MANITOBA ENERGY MANAGEMENT TASK FORCE SEMINAR AND EXHIBITION

Proponents Are: Manitoba Energy Management Task Force (EMTF)
Date Approved: March 9, 2001
Total Amount Approved: $ 3,000.00
Total Amount Expended: $ 3,000.00

Summary:

A grant of $3,000.00 was approved to support a half-day seminar, held April 19, 2001, that featured three speakers, an exhibition by suppliers of energy efficient products and services, and information on renewable and alternative energy generation. The seminar was targeted to Energy Management Task Force members, building owners and operators, contractors, consultants, energy service companies, government departments, school divisions, hospitals and professional groups.

PLANTWATCH MANITOBA: CLIMATIC MONITORING, A COMMUNITY APPROACH

Proponents Are: Manitoba Naturalists Society, Inc.
Date Approved: March 9, 2001
Total Amount Approved: $ 10,550.00
Total Amount Expended: $ 10,550.00

Summary:

A grant of $10,550.00 was approved to support a project that provides a method to start monitoring climate change at the local (provincial) level. The local level nature, combined with the volunteer aspect, will provide excellent education and outreach opportunities. The many agencies involved have the expertise to provide sufficient support in the areas of organization and technical/scientific expertise. This will help ensure the success of the project. The long-term nature of the project will provide a valuable dataset for Manitoba.

PROMOTE ENERGY EFFICIENCY TO HOTEL MEMBERS

Proponents Are: Manitoba Hotel Association
Date Approved: March 9, 2001
Total Amount Approved: $ 14,300.00
Total Amount Expended: $ 14,300.00

Summary:

A grant of $14,300.00 was approved to conduct energy audits on twenty-seven hotels in Northern Manitoba that belong to the Manitoba Hotel Association. An energy efficiency workshop for northern hotel operators will also be conducted.

WEATHER, CLIMATE CHANGE AND WETLANDS

Proponents Are: Oak Hammock Marsh Interpretive Centre
Date Approved: March 9, 2001
Total Amount Approved: $ 24,000.00
Total Amount Expended: $ 24,000.00

Summary:

A grant of $24,000.00 was approved to develop the climate change component of a Weather, Climate Change and Wetlands exhibit and education program at Oak Hammock Marsh Interpretive Centre. This long-term exhibit will include the development of new school programs that specifically address climate change. The climate change aspects of the exhibit include hands-on activities related to climate change impacts, the role of wetlands in carbon sequestration and actions that people and society can take to mitigate climate change impacts through reduction of greenhouse gas emissions or adaptation to the impacts of climate change. The public will be able to participate through regular guided walks, demonstrations and theatre presentations related to climate change. A new climate change school program is being developed. This program will be delivered throughout agricultural and northern Manitoba through the Interpretive Centre's extension program, including twenty weeks of delivery through the Wetland Eco-van.

WEATHERING THE CLIMATE

Proponents Are: Fort Whyte Centre Inc.
Date Approved: March 9, 2001
Total Amount Approved: $ 23,625.00
Total Amount Expended: $ 23,625.00

Summary:

A grant of $23,625.00 was approved to support a multi-faceted Climate Change Education Program, at Fort Whyte Centre, designed to foster greater public understanding about the causes and implications of climate variability and change, ultimately leading to action and adaptation by Manitobans. This program is designed to enhance understanding of the science of climate change through environmental field research.

IMPACTS AND ADAPTATION

ASSESSMENT OF CLIMATE CHANGE IMPACT BY BYESIAN TREND ANALYSIS

Proponents Are: University of Manitoba, Department of Civil and Geological Engineering
Date Approved: March 9, 2001
Total Amount Approved: $ 19,233.00
Total Amount Expended: $ 19,233.00

Summary:

A grant of $19,233.00 was approved to support the assessment of the impact of climate change on Manitoba's hydropower industry. A statistical analysis will be completed to link annual runoff production and flood data to output from the Canadian General Circulation Model (GCM). The specific objective will be to estimate future changes in these variables based on projections from GCM.

ASSESSMENT OF CLIMATE CHANGE IN MANITOBA USING BUTTERFLIES AS BIOLOGICAL INDICATORS OF POLEWARD SHIFT OF SPECIES GEOGRAPHIC RANGE ASSOCIATED WITH REGIONAL WARMING

Proponents Are: The Centre for Forest Interdisciplinary Research (C-FIR)
Date Approved: March 9, 2001
Total Amount Approved: $ 19,750.00
Total Amount Expended: $ 19,750.00

Summary:

A grant of $19,750.00 was approved to support a project to assess the potential impact of climate change by assessing shifts in the geographic range of specific butterflies in eastern Manitoba. The first of two components of this project involves an analysis of climate changes in the last century in the study area. The second component includes field sampling to determine the present range of fifty-eight butterfly species sampled along two, two hundred and twenty-five kilometres north-south transects and an analysis of this data with historic data. An overlay of these two data sets will be used to assess potential climate change impacts on butterflies. In addition, this research will provide baseline data for determining changes in forest ecosystems over the next one hundred years in the study area.

PAST AND FUTURE CLIMATES: A DENDROCHRONOLOGICAL RECONSTRUCTION OF FIRE HISTORY AND LARCH SAWFLY OUTBREAKS IN THE HUDSON BAY LOWLANDS ECOREGION, SUBARCTIC MANITOBA

Proponents Are: Centre for Forest Interdisciplinary Research (C-FIR)
Date Approved: March 9, 2001
Total Amount Approved: $ 25,000.00
Total Amount Expended: $ 25,000.00

Summary:

A grant of $25,000.00 was approved to conduct a dendrochronological study to establish baseline information that will relate the impacts of fire and larch sawfly outbreaks to forest composition and species succession in the Northern Manitoba boreal forest ecosystem. The baseline information will establish a benchmark against which to assess the potential impacts of climate change against these two natural phenomena.

TECHNICAL INNOVATION

CONDUCT RESEARCH INTO UTILIZING MUNICIPAL BIOGAS AS AN ALTERNATIVE ENERGY SOURCE

Proponents Are: City of Portage la Prairie/McCain Foods/Prairie Agricultural Machinery Institute (PAMI)
Date Approved: March 9, 2001
Total Amount Approved: $ 16,500.00
Total Amount Expended: $ 16,500.00

Summary:

A grant of $16,500.00 was approved to support a project to examine the feasibility of using currently flared biogas, from the City of Portage la Prairie Water Pollution Control Facility, as a source of heat/electricity for greenhouses or other facilities. The project will accomplish this by measuring the volume and components of the gas mixture and performing an economic analysis to determine the feasibility of using the biogas.

ENERGY EFFICIENCY

IMPLEMENTATION OF THE MANITOBA MUNICIPAL EFFICIENCY PROJECT

Proponents Are: Association of Manitoba Municipalities
Date Approved: March 9, 2001
Total Amount Approved: $ 25,000.00
Total Amount Expended: $ 25,000.00

Summary:

A grant of $25,000.00 was approved to support a project to provide capital to assist three municipalities to implement energy efficiency and water conservation retrofits that have already been identified by an audit. Results of retrofits will be monitored and communicated to other municipalities to motivate them to undertake similar work.

MANITOBA ORPHAN MINE SITE PROGRAM

Proponents Are: Manitoba Industry, Trade and Mines
Date Approved: July 18, 2000
Total Amount Approved: $250,000.00
Total Amount Expended: $ 61,815.59

Summary:

An July 18, 2000, Treasury Board approved-in-principle a four-year $1.0 million Broad Allocation ($250,000.00 annually) from the Sustainable Development Innovations Fund to the Department of Industry Trade and Mines for an Orphan Mine Site Program to rehabilitate Crown owned orphan mine sites in Manitoba. The four-year work plan includes rehabilitation work at Sherridon, Gods Lake, Baker Paton, Snow Lake and East Lynn Lake.

GODS LAKE

Total amount Approved in 2000/01: $150,000.00
Total Amount Expended in 2000/01: $ 18,206.25

Summary:

Comprehensive rehabilitation scope and engineering specifications were developed in December 2000. A contract has been awarded for the sum of $227,800.00 to cap five open shafts, demolish the mill building and remove an asbestos lined boiler and dispose of it in an approved site. It is anticipated that the rehabilitation work will be completed by the summer of 2002.

SHERRIDON

Total Amount Approved in 2000/01: $100,000.00
Total Amount Expended in 2000/01: $ 43,609.34

Summary:

Rehabilitation work commenced at this orphan mine site in 1998 using funds provided under the Sustainable Development Innovations Fund, including the capping of the last open shaft and fencing of 4 glory holes. Emergency work and a number of investigative studies were completed in the 2000/01 fiscal year. A contract was awarded in December 2000 to complete the remaining rehabilitation work, but due to unfavourable weather conditions, the work could not commence and was not completed until the spring of 2001.

WASTE REDUCTION AND POLLUTION PREVENTION (WRAPP) FUND

Proponents Are: Manitoba Conservation
Date Approved: May 30, 2000
Total Amount Approved: $550,000.00
Total Amount Expended: $413,201.41

Summary:

Treasury Board authorized the Department of Conservation to proceed with the implementation of a new Broad Allocation, the Waste Reduction and Pollution Prevention (WRAPP) Fund, which is to be funded from the Sustainable Development Innovations Fund. This program was allocated $550,000.00 for the 2000/2001 fiscal year, as part of a four-year $2.2 million Broad Allocation.

The Minister of Conservation has delegated grant approval authority up to $25,000.00, including approvals cashflowed or phased over more than one fiscal year.

The WRAPP Fund will support projects in the following priority areas: organic waste management and composting; pollution prevention; and model integrated waste management system development and planning. Financial partnerships are encouraged and at least 50% of the total project costs should come from project proponents or sponsors other than the Province of Manitoba.

Up to $100,000.00 of the total allocation is set aside for program development.

WRAPP FUND SUMMARY

Total Allocation for 2000/2001	**$550,000.00**
Applications Processed	32
Applications Approved	16
Applications Deferred	0
Applications Declined	16
Applications Withdrawn	0
Total Amount for Grants Approved	$374,000.00
Total Amount for Grants Expended	
Program Development (consultations, promotions, requests for proposals, seminars, materials, etc.)	$ 39,476.81
Total Expended	$413,476.81

Brief descriptions of the sixteen (16) projects within the priority WRAPP areas are as follows:

ORGANIC WASTE MANAGEMENT AND COMPOSTING

ROCKWOOD COMPOSTING PROPOSAL

Proponents Are: Rural Municipality of Rockwood
Date Approved: February 5, 2001
Total Amount Approved: $ 20,000.00
Total Amount Expended: $ 20,000.00

Summary:

A grant of $20,000.00 was approved to support the purchase of a wood chipping machine to process wood waste collected at municipal waste disposal grounds and waste transfer sites. Wood chips and other organic waste will be sent to the Rockwood Institute to be used at the existing composting facility to improve the quality of the compost.

WINDROW COMPOSTING OF BIOSOLIDS AND WOODCHIPS IN A COLD CLIMATE

Proponents Are: University of Manitoba, Department of Civil and Geological Engineering
Date Approved: February 5, 2001
Total Amount Approved: $ 25,000.00
Total Amount Expended: $ 25,000.00

Summary:

A grant in the amount of $25,000.00 was approved to support windrow composting trials on bio-solids and leaf and yard waste. Research will be undertaken on various aspects of the composting process. Detailed information will be gathered on process conditions, odour generation rates, the feasibility of windrow composting through a Manitoba winter, and demonstration of a viable use of wood waste.

WINDROW COMPOSTING OF STRAW

Proponents Are: Isobord Enterprises Inc. and University of Manitoba
Date Approved: February 5, 2001
Total Amount Approved: $ 25,000.00
Total Amount Expended: $ 25,000.00

Summary:

A grant of $25,000.00 was approved to demonstrate the viability of composting waste straw and processing waste from the Isobord strawboard operation. An estimated 60,000 tonnes of straw that cannot be processed is stored at the facility. Each year, an additional 6,000 tonnes of straw becomes too wet to use as feedstock. Isobord, in partnership with the University of Manitoba, proposes to conduct a large scale composting operation processing 10,000 tonnes of material.

WINNIPEG YARD WASTE COMPOSTING

Proponents Are: City of Winnipeg
Date Approved: March 27, 2001
Total Amount Approved: $ 50,000.00
Total Amount Expended: $ 50,000.00

Summary:

A grant of $50,000 was approved to support the City of Winnipeg's residential yard waste composting program. A composting facility to manage 27,000 tonnes of organic yard and garden waste will be designed and constructed, and an extensive public education paper will be undertaken.

POLLUTION PREVENTION

MANITOBA ENVIROTHON 2001

Proponents Are: Manitoba Envirothon 2001
Date Approved: February 5, 2001
Total Amount Approved: $ 15,000.00
Total Amount Expended: $ 15,000.00

Summary:

A grant in the amount of $15,000.00 was approved to support Manitoba Envirothon, an Olympic-style program designed to increase high school students' awareness of environment, ecosystems and the natural balance and complexity of these systems. A provincial competition of schools and clubs is held each year with the winning team eligible to compete at an international competition. The project is an effective way to reach high school students and help them increase their awareness of waste reduction and pollution prevention concerns.

RECYCLING ENHANCEMENT

EXPANSION OF RECYCLING CAPACITY

Proponents Are: Pinawa Recycling Inc.
Date Approved: February 5, 2001
Total Amount Approved: $ 3,000.00
Total Amount Expended: $ 3,000.00

Summary:

A grant of $3,000.00 was approved to improve recyclable material processing capabilities at the local recycling depot in Pinawa, Manitoba. The specific equipment required included additional indoor storage space, a pallet jack and new outside collection bins.

PROMOTING AND ACTIVATING A BLUE BOX PROGRAM

Proponents Are: Town of Carberry
Date Approved: February 5, 2001
Total Amount Approved: $ 10,000.00
Total Amount Expended: $ 10,000.00

Summary:

A grant of $10,000.00 was approved to support the establishment of a curbside-recycling program for all residents and businesses in the Town of Carberry. This permanent program will increase waste diversion at the Carberry waste transfer station and will collect up to ten tonnes of recyclable materials per year.

PURCHASE OF ADDITIONAL BLUE BOXES

Proponents Are: Thompson Recycling Centre
Date Approved: February 5, 2001
Total Amount Approved: $ 6,000.00
Total Amount Expended: $ 6,000.00

Summary:

A grant of $6,000.00 was approved to support the expansion of the blue box curbside recycling program in order to increase material recovery rates in the City of Thompson. The long-term sustainability of the recycling program depends upon increased material recovery levels.

ST. MALO RECYCLING CENTRE IMPROVEMENT

Proponents Are: Association for Community Living Inc. (Red River)
Date Approved: February 5, 2001
Total Amount Approved: $ 10,000.00
Total Amount Expended: $ 10,000.00

Summary:

A grant of $10,000.00 was approved to support the purchase of a baler to improve processing and storage efficiency at the recycling centre that provides collection and processing services for six regional municipalities. The municipalities include St. Malo, the Rural Municipality of Franklin, the Rural Municipality of Montcalm, the Rural Municipality of DeSalaberry, the Town of Emerson and the Town of St. Pierre-Jolys.

WASTE MANAGEMENT PLAN

Proponents Are: ECOKIDS Club (H.S. Paul School)
Date Approved: February 5, 2001
Total Amount Approved: $ 5,000.00
Total Amount Expended: $ 5,000.00

Summary:

A grant of $5,000.00 was approved to support the analysis of how the different recycling programs in the St. Vital School Division could potentially be operated more effectively and efficiently through increased coordination and centralization among the twenty-two schools in the Division. The three primary goals of the project are to increase waste diversion rates, increase revenues from recyclables and identify options for shifting workload to the day to day maintenance programs. An analysis of waste management practices and costs and a waste audit will be undertaken to provide necessary baseline data against which future performance can be measured.

INTEGRATED WASTE MANAGEMENT SYSTEMS DEVELOPMENT

NORTHERN MANITOBA INTEGRATED WASTE MANAGEMENT SYSTEM

Proponents Are: North Central Community Futures Development Corporation
Date Approved: February 5, 2001
Total Amount Approved: $ 40,000.00
Total Amount Expended: $ 40,000.00

Summary:

A grant of $40,000.00 was approved to develop a model integrated waste management system for Northern Manitoba. The system would be applied directly to five communities within Northern Manitoba including Leaf Rapids, Nelson House, Wabowden, Norway House and Gillam. The project will focus on improving the diversion of waste from landfill, multi-material recycling marketing, waste disposal ground operations and household hazardous waste management.

ON-SITE LEACHATE MANAGEMENT AT A DISPOSAL GROUND

Proponents Are: Rural Municipality of Taché
Date Approved: February 5, 2001
Total Amount Approved: $ 50,000.00
Total Amount Expended: $ 50,000.00

Summary:

A grant of $50,000.00 was approved to establish a process to improve leachate management practices and demonstrate the effectiveness of on-site treatment of leachate at waste disposal facilities in Manitoba. The project will demonstrate the viability of on-site leachate reduction and the demonstration of a leachate re-circulation bioreactor.

STREAMLINE SOLID WASTE SORTING LINE

Proponents Are: Whitemouth-Reynolds-North Whiteshell Waste Management
Date Approved: February 5, 2001
Total Amount Approved: $ 25,000.00
Total Amount Expended: $ 25,000.00

Summary:

A grant of $25,000.00 was approved to improve the waste sorting line at the waste management facility established to process recyclable materials and garbage from the participating regional partners (Rural Municipality of Whitemouth, Rural Municipality of Reynolds and Whiteshell Park). A new conveyor system, magnetic pulley and bag ripper system has been designed and developed to improve processing efficiency.

THE PAS AND AREA RECYCLING CENTRE

Proponents Are: The Pas & Area Recycling Centre
Date Approved: February 5, 2001
Total Amount Approved: $ 40,000.00
Total Amount Expended: $ 40,000.00

Summary:

A grant of $40,000.00 was approved to establish a recycling collection (curbside and depot) system and processing centre to service the Town of the Pas, the Rural Municipality of Kelsey, the Opaskwayak Cree Nation, and other local communities in the region. The recycling program will provide local job opportunities, increase local investment, and recover an estimated two hundred tonnes of recyclable material from the waste stream. The project has the potential to be a model regional waste management system.

WASTE MANAGEMENT EDUCATION PROGRAM FOR FIRST NATIONS

Proponents Are: Ainsworth Green Consulting
Date Approved: February 5, 2001
Total Amount Approved: $ 25,000.00
Total Amount Expended: $ 25,000.00

Summary:

A grant of $25,000.00 was approved to develop a Waste Management Educational Program for Manitoba First Nation Communities. The comprehensive program to be developed includes a combination of classroom and hands-on field training. Objectives for Phase I of the program includes: development of a training curriculum in partnership with Little Grand Rapids First Nation that focuses on local pollution prevention strategies, recycling and waste handling techniques, landfill management and emergency preparedness, and development of a waste management assessment protocol. Phase II of the project will provide training for waste management facility operators in equipment operation, waste segregation, and toxic material handling.

WASTE MINIMIZATION PLAN

Proponents Are: City of Selkirk
Date Approved: February 5, 2001
Total Amount Approved: $ 25,000.00
Total Amount Expended: $ 25,000.00

Summary:

A grant of $25,000.00 was approved to develop a plan to achieve a minimum of 50% waste diversion of the solid waste stream and to create a regional based program that will be a model for the other regions of Manitoba. The project includes a review of the existing waste stream and waste volumes, existing waste reduction programs in Manitoba and other jurisdictions, development of an education and awareness program and development and implementation of a preferred waste reduction program.

PROJECTS FROM PREVIOUS YEARS

WITH CARRYOVER AUTHORITY

IN THE 2000/2001 FISCAL YEAR

Number of Projects: 17

Total Expended: $113,968.85

Project Name	Total Expended
ECOSYSTEM CONSERVATION	
Manitoba Zebra Mussel Activities	$ 2,158.73
ENVIRONMENTAL TECHNOLOGY INNOVATION AND DEMONSTRATION	
Forks Village Phase II	$ 2,028.55
Design Rubber Mats From Recycled Tires and Demonstrate in Northern Manitoba	$ 0.00
REGIONAL WASTE MANAGEMENT	
Establishment of a Regional Waste Management Plan	$ 696.11
SUSTAINABLE AGRICULTURAL PRACTICES	
Advanced Building Composites from Annual Fibres	$ 0.00
Application of Aspen Bark on Agricultural Land	$ 0.00
Demonstration of the Performance of a Three- Stage Swine Waste Treatment Technology in Manitoba	$ 4,000.00
Disinfection of Biosolids for Topsoil	$ 19,000.00
Grande-Clairiere Irrigation Project	$ 0.00
Growing Prospects Inc.	$ 3,107.41
Sustainable Forage Cultivar Evaluation Under Dryland and Effluent Irrigation	$ 10,000.00
SUSTAINABLE COMMUNITY DEVELOPMENT	
Trail Coordinator for the Establishment/Completion of the Manitoba Portion of the TransCanada Trail	$ 25,000.00

Project Name	Total Expended
UNDERSTANDING OUR ENVIRONMENT	
Draft Strategy for the Development of the Provincial Sustainability Indicators and Year 2000 Interim Sustainability Report	$ 47,296.41
Manitoba Science Fair Sustainable Development Award	$ 300.00
Manitoba Youth Round Table for Sustainable Development	$ 381.64
Petroleum Storage Tank Program	$ 0.00
Showcasing Manitoba's Technology	$ 0.00

DETAILED LISTING OF PROJECTS

FROM PREVIOUS YEARS WITH CARRYOVER AUTHORITY

IN THE 2000/2001 FISCAL YEAR

Projects listed below are those that were initially allocated funding from the Sustainable Development Innovations Fund in previous fiscal years, but had carryover authority for the 2000/2001 fiscal year. Project descriptions have been provided in previous Annual Reports.

ECOSYSTEM CONSERVATION

MANITOBA ZEBRA MUSSEL ACTIVITIES

Proponents Are:	Manitoba Conservation
Date Approved:	October 25, 1994
2000/01 Expenditures:	$ 2,158.73

ENVIRONMENTAL TECHNOLOGY INNOVATION AND DEMONSTRATION

FORKS VILLAGE PHASE II

Proponents Are:	EcoVillage Foundation Inc.
Date Approved:	September 2, 1998
2000/01 Expenditures:	$ 2,028.55

DESIGN RUBBER MATS FROM RECYCLED TIRES AND DEMONSTRATE IN NORTHERN MANITOBA

Proponents Are:	MATCAN (Harvey Wasiuta, Jeff Ross, Ashley Leibl)
Date Approved:	July 13, 1999
2000/01 Expenditures:	$ 0.00
Total Amount Projected:	$ 8,396.00

REGIONAL WASTE MANAGEMENT

ESTABLISHMENT OF A REGIONAL WASTE MANAGEMENT PLAN

Proponents Are:	Manitoba Conservation
Date Approved:	June 23, 1998
2000/01 Expenditures:	$ 696.11

SUSTAINABLE AGRICULTURAL PRACTICES

ADVANCED BUILDING COMPOSITES FROM ANNUAL FIBRES

Proponents Are:	Advanced Fibre Technology Corporation
Date Approved:	July 28, 1993
2000/01 Expenditures:	$ 0.00

APPLICATION OF ASPEN BARK ON AGRICULTURAL LAND

Proponents Are:	Dani Watson
Date Approved:	May 6, 1998
2000/01 Expenditures:	$ 0.00

DEMONSTRATION OF THE PERFORMANCE OF A THREE STAGE SWINE WASTE TREATMENT TECHNOLOGY IN MANITOBA

Proponents Are:	DGH Engineering Ltd.
Date Approved:	September 2, 1998
2000/01 Expenditures:	$ 4,000.00

DISINFECTION OF BIOSOLIDS FOR TOPSOIL

Proponents Are:	University of Manitoba, Department of Civil and Geological Engineering, Dr. Jan A. Oleszkiewicz
Date Approved:	April 13, 1999
2000/01 Expenditures:	$ 19,000.00

GRANDE-CLAIRIERE IRRIGATION PROJECT

Proponents Are:	Souris Valley Irrigation Centre
Date Approved:	March 12, 1998
2000/01 Expenditures:	$ 0.00
Total Amount Projected:	$ 63,780.00 (2001/2002)

GROWING PROSPECTS INC.

Proponents Are:	Growing Prospects Inc.
Date Approved:	March 4, 1998
2000/01 Expenditures:	$ 3,107.41

SUSTAINABLE FORAGE CULTIVAR EVALUATION UNDER DRYLAND AND EFFLUENT IRRIGATION

Proponents Are:	Parkland Crop Diversification Foundation
Date Approved:	May 18, 1999
2000/01 Expenditures:	$ 10,000.00

SUSTAINABLE COMMUNITY DEVELOPMENT

TRAIL COORDINATOR FOR THE ESTABLISHMENT/COMPLETION OF THE MANITOBA PORTION OF THE TRANSCANADA TRAIL

Proponents Are:	Manitoba Culture, Heritage and Tourism
Date Approved:	October 28, 1998
2000/01 Expenditures:	$ 25,000.00
Total Amount Projected:	$ 17,198.80 (2001/2002)

UNDERSTANDING OUR ENVIRONMENT

DRAFT STRATEGY FOR THE DEVELOPMENT OF THE PROVINCIAL SUSTAINABILITY INDICATORS AND YEAR 2000 INTERIM SUSTAINABILITY REPORT

Proponents Are:	Manitoba Conservation
Date Approved:	June 10, 1998
2000/01 Expenditures:	$ 47,296.41
Total Amount Projected:	$ 66,113.25 (2001/2002 & beyond)

MANITOBA SCIENCE FAIR SUSTAINABLE DEVELOPMENT AWARD

Proponents Are:	Manitoba Conservation
Date Approved:	January 24, 1995
2000/01 Expenditures:	$ 300.00
Total Amount Projected:	$ 3,500.00 (2001/2002 & beyond)

MANITOBA YOUTH ROUND TABLE FOR SUSTAINABLE DEVELOPMENT

Proponents Are:	Manitoba Conservation
Date Approved:	January 24, 1995
2000/01 Expenditures:	$ 381.64

PETROLEUM STORAGE TANK PROGRAM

Proponents Are:	Manitoba Conservation
Date Approved:	April 21, 1994
2000/01 Expenditures:	$ 0.00
Total Amount Projected:	$ 33,028.53 (2001/2002)

SHOWCASING MANITOBA'S TECHNOLOGY

Proponents Are:	Great Plains Initiative
Date Approved:	May 20, 1993
2000/01 Expenditures:	$ 0.00
Total Amount Projected:	$ 8,154.78 (2001/2002 & beyond)

APPENDIX I

Sustainable Development Innovations Fund
Five Year Expenditure Summary ($000)
for years ending March 31, 1997 - March 31, 2001

APPROPRIATION	Actual/*Adjusted Expenditures				
	1996/97	1997/98	1998/99	1999/00	2000/01
Sustainable Development Innovations Fund	2,309.7	2,415.4	2,784.1	1,633.9	2,073.3
Total	2,309.7	2,415.4	2,784.1	1,633.9	2,073.3

* Adjusted figures reflect historical data on a comparable basis in those appropriations affected by a reorganization during the years under review